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CATALOGUE H

L. M. RUMSEY MANUFACTURING CO.

PLUMBING AND HEATING
SUPPLIES
WITH THEIR ACCESSORIES



FACTORY AND WAREHOUSES:

800 TO 820 N. SECOND ST. AND 801 TO 821 N. MAIN ST.

OFFICES:

810 TO 812 N. SECOND STREET

ST. LOUIS, MO., U. S. A.

ERRATA

- Page 386, 3-inch Extra Heavy Double Hub Soil Pipe, list should be \$3.25 per length.
- " 462, Plate 2617-N should read Plate 2617-H
 - " 464, Plate 2622 " " " 2622-H
 - " 605, No. 5 Parmelee Wrench takes Pipe from $3\frac{1}{2}$ " and 4" instead of from 3" to 4".
 - " 624, The price on No. 2 Williams Vise, Plate 3310.H, has been changed to \$7.50.
 - " 649A, The last word in the sixth line should read "surface", (not "service").
 - " 658A, The 1250 Vassar Water Boiler has been discontinued.
 - " 668-A, The five column radiator is made in plain pattern only.
 - " 696, Plate 3645-H, showing Hoffman Air Valve, should give the list price as \$1.70 each.

ANNOUNCEMENT



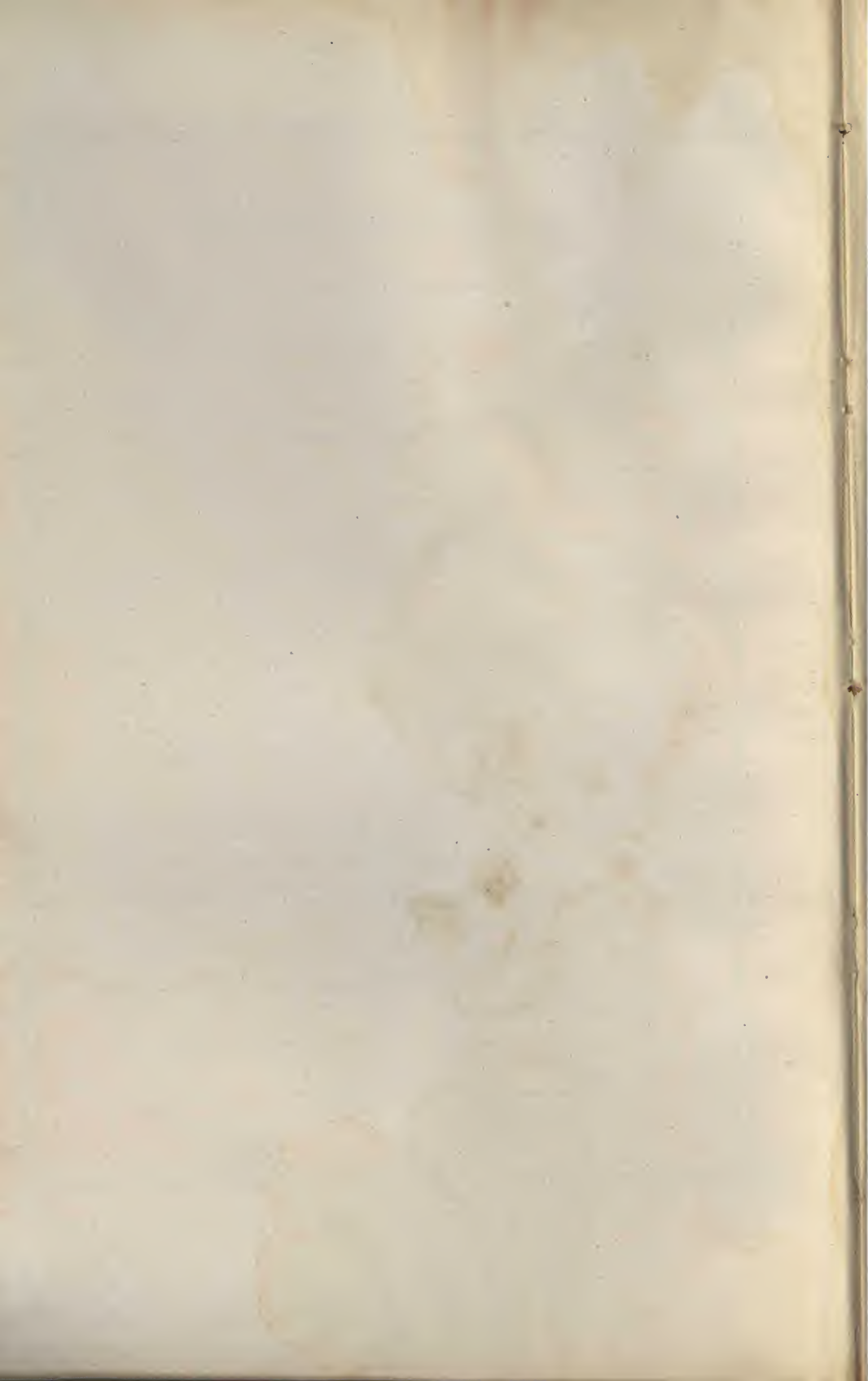
HIS Catalogue illustrates and, in part, describes the latest and highest types of Plumbing Fixtures and of Steam and Hot Water Heating Apparatus. The goods shown herein are either of our own special manufacture—RUMSEY GUARANTEE—or the best product of other well-known manufacturers, for whom we are agents, and back of which for quality and for merit stands the name of RUMSEY.

We are now entering on the FIFTIETH YEAR of our business career in the City of St. Louis, and on this auspicious occasion of our GOLDEN JUBILEE, most heartily extend to our many thousand patrons, and indeed also to many of their predecessors, our sincere thanks for the confidence intrusted in us, and that generous patronage, without which the small acorn of a half century ago would not be the giant COMMERCIAL OAK of to-day.

As in the past, so too shall we in the future, by honest business policies and principles, liberal terms and the sale only of such goods as we will fully guarantee, endeavor to merit a continuance of a fair share of the trade requirements of our customers, and hope to add new friends to the many we now possess throughout all sections of America.

L. M. RUMSEY MFG. CO.

St. Louis, January 1st, 1915



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WATER CLOSETS



Plate 1-H

Rumsey's "Climax" Syphon Jet Closet with Extended Inlet, Sanitary Flush Rim and Patented Double Lip, "M" Vitreous China Tank with Elevated Ball Cock, Nickel-plated Brass Supply Pipe with China Indexed Angle Stop, No. 290 "Enamuloid" Saddle Seat with Nickel-plated Heavy Cast Brass Box Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 225 pounds.

Price, as described	67.00
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If with No. 245 "Enamuloid" Double Lip Seat, deduct	2.00
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" " China Offset Connection, add	3.00
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WATER CLOSETS



Plate 2-H

Rumsey's "Acme" Syphon Jet Closet with Sanitary Rim, Large Raised Rear Vent and Extended Front Lip, No. "G" Vitreous China Tank with Elevated High Pressure Ball Cock, Rumsey's Excelsior Glass Float Flush Valve with Double-Acting China Handle Lever, White China Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Seamless Annealed Supply Pipe to Wall with China Handle Stop and Cast Brass Set Screw Escutcheons, No. 285 Pure White "Enamuloid" Saddle Seat and Cover with Nickel-plated Cast Brass Box Hinge, Nickel-plated Vent Flange, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 250 pounds.

Price, as described	80.00
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Any of our Closets can be equipped with the Large Raised Vent and Extended Lip Features when so desired.

WATER CLOSETS



Plate 3-H

Rumsey's "Acme" Square Base Syphon Jet Closet with Extended Inlet, Sanitary Flush Rim and Extended Front Lip, "D" Tank with Elevated Ball Cock, Vitreous China Offset Flush Connection, Nickel-plated Iron Pipe Size Brass Supply Pipe to Wall with China Handle Stop, No. 290 "Enamuloid" Seat with Nickel-plated Box Hinge, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 215 pounds.

Price, as described	62.50
If with No. 235 "Enamuloid" Seat, deduct	2.50

WATER CLOSETS



Plate 4-H

Rumsey's "Acme" Square Base Syphon Jet Closet with Extended Inlet, Sanitary Flush Rim, "K" Vitreous China Tank with Elevated Ball Cock, Nickel-plated Offset Flush Connection, Nickel-plated Iron Pipe Size Brass Supply Pipe to Wall with Compression China Indexed Stop, No. 215 "Enamuloid" Finish Full Saddle Seat and Cover, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 200 pounds.

Price, as described	55.00
If with China Offset Flush Connection, add	3.00

WATER CLOSETS



Plate 5-H

Rumsey's "Vassar" Syphon Jet Closet with Sanitary Rim and Large Raised Rear Vent, No. "G" Vitreous China Tank with Elevated High Pressure Ball Cock, Rumsey's Excelsior Glass Float Flush Valve with Double-Acting China Handle Lever, Nickel-plated Straight Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Seamless Annealed Supply Pipe to Wall with China Indexed Stop and Cast Brass Set Screw Escutcheon, No. 215 Pure White "Enamuloid" Full Saddle Seat and Cover with Nickel-plated Cast Brass Bar Hinges, Nickel-plated Vent Flange, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 225 pounds.

Price, as described	60.00
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We can furnish any of our Closets with Large Raised Rear Vent, as shown above, when so desired.

WATER CLOSETS



Plate 6-H

Rumsey's "Vassar" Syphon Jet Closet with Extended Inlet, Sanitary Flush Rim with Extended Front Lip, "L" Vitreous China Tank with Elevated Ball Cock, Vitreous China Offset Flush Connection, Nickel-plated Iron Pipe Size Brass Supply Pipe with China Handle Stop, No. 290 "Enamuloid" Seat with Nickel-plated Box Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 200 pounds.

Price, as described	62.50
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If with No. 235 "Enamuloid" Open Front Seat, deduct.....	2.50
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WATER CLOSETS



Plate 7-H

Rumsey's "Vassar" Syphon Jet Closet with Extended Inlet, Sanitary Flush Rim with Extended Front Lip, "D" Vitreous China Tank with Elevated Ball Cock, Nickel-plated Offset Flush Connection, Nickel-plated Iron Pipe Size Brass Supply Pipe with China Indexed Stop, No. 180 Seat and Cover with Nickel-plated Box Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural, Antique or Quarter-Sawed Golden Oak or Birch Mahogany, Satin Finish.

Approximate shipping weight, 200 pounds.

Price, as described	52.50
If with No. 135 Seat, deduct	2.50

WATER CLOSETS



Plate 8-H

Rumsey's "Vassar" Syphon Jet Closet with Sanitary Rim and Extended Inlet, No. D Vitreous China Tank with Elevated High Pressure Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Handle Lever, Nickel-plated Offset Flush Connection, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Seamless Annealed Supply Pipe to Wall with China Indexed Stop, No. 115 Full Saddle Seat and Cover with Nickel-plated Cast Brass Bar Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Selected Quarter-Sawed Natural or Golden Oak or Imitation Mahogany, Satin Finish. Unless otherwise instructed, Quarter-Sawed Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 200 pounds.

Price, as described.	42.00
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WATER CLOSETS



Plate 9-H

Rumsey's "Unique" Syphon Jet Closet with "J" Vitreous China Tank with Elevated Ball Cock, Nickel-plated Offset Flush Connection, Nickel-plated Iron Pipe Size Brass Supply Pipe with China Handle Stop, No. 200 "Enamuloid" Seat and Cover, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 180 pounds.

Price, as described	46.00
If with No. 100 Seat and Nickel-plated Offset, deduct.....	4.00
" " China Offset Connection, add.....	3.00

WATER CLOSETS



Plate 10-H

Rumsey's "Unique" Syphon Jet Closet with "B" Tank with Nickel-plated Flush Connection, Nickel-plated Iron Pipe Size, Brass Supply Pipe with China Indexed Stop, No. 100 Seat, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural, Antique or Golden Oak or Birch Mahogany Finish.
Approximate shipping weight, 150 pounds.

Price, as described	36.00
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WATER CLOSETS



Plate 11-H

Rumsey's "Jetless" Square Base Reverse Trap Closet with Extended Front Lip, "D" Vitreous China Tank with Elevated Ball Cock, Nickel-plated Flush Ell, Nickel-plated Iron Pipe Size, Brass Supply Pipe with Stop, No. 290N "Enamuloid" Open Front Seat, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 180 pounds.

Price, as described	40.00
If Seat with Cover, add	4.50
" with No. 220 "Enamuloid" Seat with Cover, add.....	1.00
" " China Ell Connection, add	3.00

WATER CLOSETS



Plate 12-H

Rumsey's "Jetless" Reverse Trap Closet with Square Base and Extended Front Lip, "B" Tank with Nickel-plated Flush Ell, Nickel-plated Iron Pipe Size Brass Supply Pipe with Wheel Handle Stop, No. 190N Open Front Seat with Nickel-plated Box Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural, Antique or Golden Oak or Birch Mahogany Finish.
Approximate shipping weight, 125 pounds.

Price, as described	33.50
If with No. 120N Seat, deduct	2.50

WATER CLOSETS



Plate 13-H

Rumsey's "Jetless" Reverse Trap Closet with Square Base, "G" Vitreous China Tank with Elevated Ball Cock, Nickel-plated Flush Ell, Nickel-plated Iron Pipe Size, Brass Supply Pipe with China Indexed Stop, No. 270 "Enamuloid" Seat and Cover, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 175 pounds.

Price, as described.....	42.50
If with No. 210 "Enamuloid" Seat, deduct.....	2.50
" " China Ell Connection, add.....	3.00

WATER CLOSETS



Plate 14-H

Rumsey's "Jetless" Square Base Reverse Trap Closet with "D" Vitreous China Tank, Elevated Ball Cock, Nickel-plated Flush Ell, Nickel-plated Iron Pipe Size Supply Pipe with China Indexed Stop, No. 215 "Enamuloid" Saddle Seat and Cover with Nickel-plated Cast Brass Bar Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 175 pounds.

Price, as described	35.00
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If with Nickel-plated Floor Screws and Washers instead of Floor Flange,
Gasket and China Capped Bolts, deduct..... 1.75

WATER CLOSETS



Plate 15-H

Rumsey's "Jetless" Square Base Reverse Trap Closet with "D" Vitreous China Tank with High Pressure Ball Cock, Nickel-plated Flush Ell, Nickel-plated Supply Pipe to Floor, No. 115 Full Saddle Seat and Cover with Nickel-plated Cast Brass Bar Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Selected Quarter-Sawed Natural or Golden Oak or Imitation Mahogany, Satin Finish. Unless otherwise instructed, Quarter-Sawed Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 175 pounds.

Price, as described	28.75
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If with Nickel-plated Floor Screws and Washers instead of Floor Flange, Gasket and China Capped Bolts, deduct	1.75
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WATER CLOSETS



Plate 16-H

Rumsey's "Jetless" Reverse Trap Closet with Square Base, "C" Tank with Nickel-plated Flush Ell and Nickel-plated Iron Pipe Size Brass Supply Pipe, No. 100 Seat and Cover, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural, Antique or Golden Oak or Birch Mahogany Finish.
Approximate shipping weight, 125 pounds.

Price, as described	29.00
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If without Cast Brass Floor Flange and China Capped Bolts, and with Nickel-plated Floor Screws and Washers, deduct.....	1.50
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WATER CLOSETS



Plate 17-H

Rumsey's "Giant," Extra Heavy, Wash Down Closet with "R" Cast Iron Tank, Porcelain Enameled In and Out, Nickel-plated Flush Ell, Nickel-plated Iron Pipe Size Supply Pipe and Escutcheon, No. 195-N Heavy Oak Seat, Cabinet Finish, Heavy Cast Brass Nickel-plated Box Hinge and Cast Brass Nickel-plated Re-inforcing Ring; Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural or Golden Oak, or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 180 pounds.

Price, as described.....	36.00
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If with Nickel-plated Floor Screws and Washers, instead of Cast Brass

Floor Flange Gasket, and China Capped Bolts, deduct	1.75
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" with Cover on Seat, add.....	3.50
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WATER CLOSETS



Plate 18-H

Rumsey's "Athena" Syphon Wash Down Closet with Square Base, "D" Vitreous China Tank with Nickel-plated Flush Ell and High Pressure Ball Cock, Nickel-plated Iron Pipe Size Brass Supply Pipe with China Indexed Stop, No. 100 Seat and Cover, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural, Antique or Golden Oak or Birch Mahogany Finish.
Approximate shipping weight, 160 pounds.

Price, as described	31.00
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If without Cast Brass Floor Flange Gasket and China Capped Bolts, and with Nickel-plated Floor Screws and Washers, deduct	1.50
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WATER CLOSETS



Plate 19-H

Rumsey's "Athena" Syphon Wash Down Closet with No. "S" Cast Iron Tank, Porcelain Enameled In and Out, Nickel-plated Flush Ell, Nickel-plated Supply Pipe to Wall with Wheel Handle Stop and Escutcheon, No. 110-N Semi-Saddle Oak Seat with Nickel-plated Cast Brass Bar Hinge, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 175 pounds.

Price, as described	28.00
If with Nickel-plated Floor Screws and Washers instead of Floor Flange and Gasket and China Capped Bolts, deduct.....	1.75
" with Cover on Seat, add.....	.75

WATER CLOSETS



Plate 20-H

Rumsey's "Athena" Square Base Syphon Wash Down Closet with No. B-2 Box Top Tank lined with 12-ounce Copper, Elevated Ball Cock, "Excelsior" Flush Valve with Double-Acting China Handle Bottom Lever, Nickel-plated Flush Ell, Nickel-plated Supply Pipe, No. 110 Semi-Saddle Seat and Cover, Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Imitation Mahogany, Satin Finish.
Approximate shipping weight, 125 pounds.

Price, as described	21.00
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WATER CLOSETS



Plate 21-H

Rumsey's "Athena" Square Base Syphon Wash Down Closet with No. B-1 Box Top Tank lined with 12-ounce Copper, Elevated Ball Cock, "Excelsior" Flush Valve with Double-Acting China Handle Top Lever, Nickel-plated Flush Ell, Nickel-plated Supply Pipe, No. 110 Semi-Saddle Seat and Cover, Floor Screws and Washers.

Woodwork furnished Natural or Golden Oak or Imitation Mahogany, Satin Finish.

Approximate shipping weight, 125 pounds.

Price, as described.....	21.00
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WATER CLOSETS



Plate 22-H

Rumsey's "Webster" Syphon Wash Down Closet with "N" Vitreous China Tank with Douglas Pattern Flush Valve and Double-Acting China Lever, Nickel-plated Flush Ell, Nickel-plated Supply Pipe to Wall with Stop, Oak Seat and Cover with Cast Brass Offset Hinges, Nickel-plated Floor Screws and Washers.

Approximate shipping weight, 175 pounds.

Price, as described	22.00
If without Stop in Supply Pipe, deduct	1.00
Mahogany Finish Seat furnished at same price when so ordered.	

WATER CLOSETS



Plate 23-H

Rumsey's Plain Syphon Wash Down Closet with No. 5 "Vitro" Pure White Swell Front Tank with Double-Acting China Handle Top Lever, Nickel-plated Flush Ell, Nickel-plated Supply Pipe, No. 100 Seat and Cover, Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak, or Imitation Mahogany Finish.

Approximate shipping weight, 125 pounds.

Price, as described	21.00
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WATER CLOSETS



Plate 24-H

Rumsey's Vitreous China Wash Down Closet with S-2 Cast Iron Tank Porcelain Enameled In and Out, Nickel-plated Flush Ell, Nickel-plated Supply Pipe, No. 100 Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Imitation Mahogany, Cabinet Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 175 pounds.

Price, as described.....	22.00
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WATER CLOSETS



Plate 25-H

Plain Syphon Wash Down Closet with "Webster" Tank with Double-Acting China Handle Top Lever, Nickel-plated Flush Ell, Nickel-plated Supply Pipe, "Webster" Seat and Cover with Nickel-plated Cast Brass Offset Hinges, Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Imitation Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Tanks and Seats will be furnished in all cases.

Price, as described	17.00
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WATER CLOSETS



Plate 26-H

Plain Syphon Wash Down Closet with "Webster" Tank with Double-Acting China Handle Bottom Lever, Nickel-plated Flush Ell, Nickel-plated Supply Pipe, "Webster" Seat and Cover with Nickel-plated Cast Brass Offset Hinges, Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Imitation Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Tanks and Seats will be furnished in all cases.

Price, as described	17.00
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RUMSEY'S IMPROVED AUTOMATIC PRESSURE CLOSET VALVES

CROSS SECTION OF VALVE USED ON AUTOMATIC PRESSURE TYPE CLOSETS

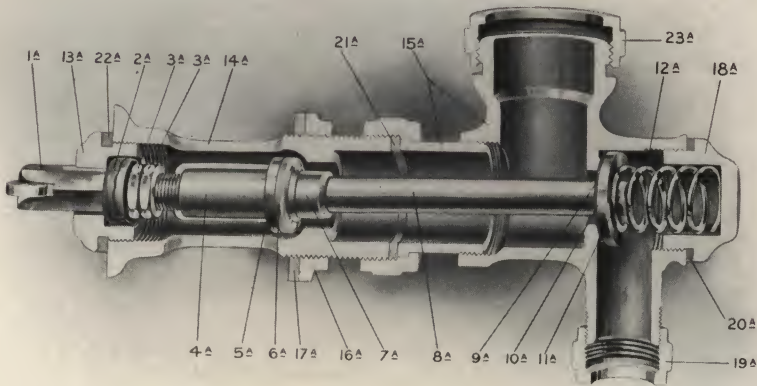


Plate 27-H

This valve is used on all our automatic pressure tank closets. It is as simple as possible and very substantial and the illustration is so clear it does not need explanation. By removing cap No. 13A the stem can be withdrawn and rewasher without removing the valve from the bowl and without shutting off the water.

Price, No.	Description	each	Price
1A,	Push Stem and Friction Wheel	each	.33
2A,	Cup Leather, $\frac{3}{4}$ Set	"	.09
3A,	Push Stem Locknuts (Two)	"	.12
4A,	Main " "	"	.85
5A,	Valve Stem Adjusting Nut	"	.11
6A,	Stem Washer	"	.13
7A,	" " Lock and Guide	"	.30
8A,	Shut-off Valve Guide	"	.36
9A,	" " " Disc	"	.09
10A,	" " " " Holder	"	.20
11A,	" " " Locknut	"	.12
12A,	" " " Spring	"	.20
13A,	Inside Finishing Cap	"	.60
14A,	Spud Cage	"	1.50
15A,	Valve Body (Inside Cage Coupling Nut)	"	4.00
16A,	Spud Cage Locknut	"	.35
17A,	" " Washer	"	.10
18A,	Shut-off Valve Cap	"	.55
19A,	Supply Pipe Coupling Nut	"	.20
20A,	Shut-off Valve Cup Washer	"	.10
21A,	Spud Cage Washer	"	.10
22A,	Inside Finishing Cap Washer	"	.10
23A,	Flush Pipe Coupling Nut	"	.25
Complete Stem, consisting of Nos. 1A, 2A, 3A, 4A, 5A, 6A and 7A			2.00

WATER CLOSETS

PLATE 28-H

Rumsey's "Victor" Syphon Jet Closet with Cabinet Finish Oak Seat, fitted with Heavy Cast Brass Nickel-plated Box Hinge and Nickel-plated Cast Brass Reinforcing Plate, Rumsey's Nickel-plated Cast Brass Automatic Seat Operating Flush Valve, Galvanized Closed Tank, Finished White Enamel with Nickel-plated Supports, Nickel-plated Brass Flush Pipe with Holder, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipe with Loose Key Stop, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 135 pounds.

Price, as described.....	50.00
If with Plain Galvanized Tank, deduct	3.50



Plate 28-H

PLATE 29-H

Same as Plate 28-H, except with Low Tank.

Approximate shipping weight, 135 pounds.

Price, as described.....	49.00
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If with Plain Galvanized Tank, deduct	3.50
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For satisfactory operation of these closets, the water pressure should not fall below 20 pounds. When ordering state water pressure.



Plate 29-H

WATER CLOSETS

PLATE 30-H

Rumsey's "Giant" Extra Heavy Wash Down Closet with Rumsey Standard Seat Attachment, Special Oak Seat with Heavy Nickel-plated Cast Brass Box Hinge and Nickel-plated Cast Brass Reinforcing Ring with Bumpers, Rumsey's Seat Action Pressure Flash Valve, Galvanized Iron Closed Tank with Bracket, Nickel-plated Brass Flush Pipe and Holder, Nickel-plated Iron Pipe Size Supply Pipe with Stop, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Seat furnished in Selected Oak, Natural, Golden or Antique, Cabinet Finish.

Approximate Shipping Weight, 125 pounds.

Price, as described	42.00
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If with Galvanized Iron Flush Pipe and Rough Brass Valve instead of Nickel-plated, without Supply Pipe, deduct (either closet) ..	5.00
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Plate 30-H

PLATE 31-H

Same as Plate 30-H, except with Low Tank.

Price, as described	41.00
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For satisfactory operation of these closets, the water pressure should not fall below 20 pounds.

These closets are recommended for use in factories, railroad stations, etc. They are water savers.



Plate 31-H

WATER CLOSETS



Plate 32-H

Rumsey's "Athena" Wash Down Closet with Jet, Adult Size, Rumsey Patent Raised Rear Vent, Cabinet Finish Oak Seat with Nickel-plated Heavy Cast Brass Box Hinge and Nickel-plated Brass Re-inforcing Seat Plate, Rumsey Nickel-plated Heavy Cast Brass Automatic Flush Valve, Galvanized Closed Tank with Nickel-plated Supports, Nickel-plated Brass Flush Pipe with Holder, Nickel-plated Iron Pipe Size Supply Pipe with Stop, Cast Brass Floor Flange and Gasket, Bolts and Washers.

Approximate shipping weight, 150 pounds.

Price, as described.....	48.50
If without Supply Pipe and Stop, deduct.....	1.50
If with Galvanized Flush Pipe and Holder and Rough Brass Valve, instead of Nickel-plated, no Supply Pipe or Stop, deduct	5.00

For satisfactory operation of this type of closet the water service pressure should not fall below 20 pounds.

We recommend this closet for schools, asylums, etc. It is a water saver.

WATER CLOSETS



Plate 33-H

Rumsey's "Kinder" Wash Down Closet with Jet (Bowl 13½ inches high), Rumsey Patent Raised Rear Vent, Cabinet Finish Oak Seat Fitted with Heavy Cast Brass Nickel-plated Box Hinge and Nickel-plated Brass Re-inforcing Plate, Rumsey Heavy Cast Brass Nickel-plated Automatic Flush Valve, Galvanized Closed Tank with Nickel-plated Supports, Nickel-plated Brass Flush Pipe with Holder, Nickel-plated Iron Pipe Size Supply Pipe with Stop, Cast Brass Floor Flange, Gasket, Bolts and Washers.

Approximate shipping weight, 150 pounds.

Price, as described.....	48.50
If without Supply Pipe and Stop, deduct.....	1.50
If with Galvanized Flush Pipe and Holder and Rough Brass Valve, no Supply Pipe or Stop, deduct.....	5.00

For satisfactory operation of this type of closet, the water service pressure should not fall below 20 pounds.

We recommend this closet for grade schools, orphan asylums, etc.

WATER CLOSETS



Plate 34-H

Rumsey's "Athena" Wash Down Closet with Jet, Adult Size, with Cabinet Finish Oak Seat Fitted with Nickel-plated Heavy Cast Brass Box Hinge and Nickel-plated Brass Re-inforcing Plate, Rumsey Nickel-plated Heavy Cast Brass Automatic Flush Valve, Galvanized Closed Tank with Nickel-plated Supports, Nickel-plated Brass Flush Pipe with Holder, Nickel-plated Iron Pipe Size Supply Pipe with Stop, Cast Brass Floor Flange and Gasket, Bolts and Washers.

Approximate shipping weight, 125 pounds.

Price, as described.....	37.50
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If without Supply Pipe and Stop, deduct.....	1.50
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If with Galvanized Flush Pipe and Holder and Rough Brass Valve, instead of Nickel-plated, no Supply Pipe or Stop, deduct.....	5.00
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For satisfactory operation of this type of closet the water pressure should not fall below 20 pounds.

We recommend this closet for schools, asylums, etc.

WATER CLOSETS



Plate 35-H

Rumsey "Kinder" Wash Down Closet with Jet (Bowl 13½ inches high), with Cabinet Finish Oak Seat with Heavy Cast Brass, Nickel-plated Box Hinge and Nickel-plated Brass Re-inforcing Plate, Rumsey Heavy Cast Brass Nickel-plated Automatic Flush Valve, Galvanized Closed Tank with Nickel-plated Supports, Nickel-plated Brass Flush Pipe with Holder, Nickel-plated Iron Pipe Size Supply Pipe with Valve, Cast Brass Floor Flange and Gasket, Bolts and Washers. Approximate shipping weight, 125 pounds.

Price, as described.....	37.50
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If without Supply Pipe and Stop, deduct.....	1.50
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If with Galvanized Flush Pipe and Holder and Rough Brass Valve, instead of Nickel-plated, no Supply Pipe or Stop, deduct.....	5.00
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For satisfactory operation of this type of closet the water pressure should not fall below 20 pounds. We recommend this closet for grade schools, orphan asylums, etc.

WATER CLOSETS

INFORMATION FOR INSTALLING ALL FLUSHING VALVE CLOSETS

SIZE OF PIPE

For direct pressure the size of the pipe from building to valve should be from $1\frac{1}{4}$ to $1\frac{1}{2}$ inches, according to distance and pressure. The service pipe from street to building line should not be less than 1 inch, and if pressure is less than 25 pounds should be $1\frac{1}{2}$ inches. The pressure at the highest flushing valve should not be less than 15 pounds. If the service pipe is $1\frac{1}{2}$ inches there should be two taps, $\frac{5}{8}$ inch each, on the street main.

Four closets can be operated on a service such as above described. For a greater number of closets the size of the supply pipe should be increased.

TANK SERVICE

Place tank where convenient but not less than 20 feet above highest closet, and run a pipe down to various floors where closets are to be connected. A $1\frac{1}{2}$ -inch pipe is sufficient for from one to four closets. If there are more closets run a 2-inch pipe part of the way and take out $1\frac{1}{2}$ -inch branches, connecting 1-inch to flushing valves.

TANK CAPACITY

When possible the tank should have a capacity of 6 gallons to the closet. In large installations this may not be necessary as it is highly improbable that all closets would be flushed simultaneously, and this rule may be modified to suit each individual case and probable call on the service.

WATER CLOSETS



Plate 36-H

Rumsey's No. 2 Syphon Jet Closet with Side Inlet, No. 115 Full Saddle Seat and Cover with Nickel-plated Cast Brass Bar Hinge, Nickel-plated "Yesmur" Flush Valve with Loose Key Gate Valve, Nickel-plated Connection to Bowl, Nickel-plated Supply Pipe to Wall with Cast Brass Escutcheon, Cast Brass Floor Flange, Gasket, Bolts and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Natural Oak Seats will be sent in all cases, unless otherwise instructed.

Price, as described.....	45.00
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Closet with Supply Pipe to Floor furnished at above prices.

Closet with Valve at Back, as shown on page 37, at same price.

WATER CLOSETS



Plate 37-H

Heavy Vitreous China "Park" Syphon Jet Closet flanged to Floor and Wall, Outlet through Wall, Integral Porcelain Seat, Rumsey's "Yesmur" Cast Brass Push Button, Concealed Flush Valve with Special Extended Push Button with Thimble to go through Wall, Extended Spud Connection, Screws and Washers.

Approximate shipping weight, 125 pounds.

Price, as described, with Offset Flange for Wall Outlet.....	49.00
" " " " Flange for Floor Outlet.....	45.00

If with Heavy Box Hinge Seat without Cover, add..... 7.00

Flush Pipes not furnished, as they are generally made up of galvanized pipe and must be fitted to each special installation.

We recommend the "Park" Closet and this type of installation for hospitals, asylums, jails, public comfort stations, etc.

We can also furnish this style of closet in wash down type, either floor or wall outlet. In using this type of valve a special water service is required. Full information on application.

WATER CLOSETS



Plate 38-H

Rumsey's Extra Heavy "Giant" Wash Down Closet with Rumsey Patent Standard Seat Attachment, Oak Seat, without Cover, with Nickel-plated Heavy Cast Brass Box Hinge and Nickel-plated Cast Brass Re-inforcing Ring, Nickel-plated Cast Brass "Yesmur" Push Button Flush Valve with Loose Key Gate Valve, Nickel-plated Brass Flush Pipe and Coupling Nuts, Nickel-plated Brass Flush Ell, Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 125 pounds.

Price, as described	40.75
If Seat with Cover, add	3.50
" without Loose Key Gate Valve, deduct	2.50

We recommend this closet for any place where the fixtures are liable to rough handling, such as factories, foundries, etc.

In using this type of valve a special water service is required.

We can furnish any of our closets equipped with this valve.

WATER CLOSETS



Plate 39-H

Rumsey's "Giant" Extra Heavy Wash Down Closet with Side Inlet, "Yesmur" Push Button Flush Valve with Loose Key Gate Valve, Nickel-plated Connection to Bowl and Nickel-plated Wall Supply with Cast Brass Escutcheon, No. 195 Oak Seat and Cover with Nickel-plated Cast Brass Box Hinges and Nickel-plated Cast Brass Re-inforcing Ring, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Seats furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 125 pounds.

Price, as described.	42.50
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If without Cover on Seat, deduct.	3.50
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NOTE.—Closet with Supply Pipe to Floor at same price.

WATER CLOSETS



Plate 40-H

Rumsey's "Jetless" Square Base Reverse Trap Closet with "Yesmur" Push Button Flush Valve with Loose Key Gate Valve and Nickel-plated Flush Pipe to Bowl, No. 110 Semi-Saddle Oak Seat and Cover with Nickel-plated Cast Brass Bar Hinges, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Seats furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 100 pounds.

Price, as described.....	32.50
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If with Nickel-plated Floor Screws and Washers, instead of Floor Flange, Gasket and China Capped Bolts, deduct.....	1.75
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WATER CLOSETS



Plate 41-H

Rumsey's Plain "Athena" Syphon Wash Down Closet with Rumsey Patent Standard Seat Attachment, No. 110 Semi-Saddle Oak Seat and Cover with Heavy Nickel-plated Cast Brass Bar Hinges, Nickel-plated Cast Brass "Yesmur" Push Button Flush Valve, Loose Key Gate Valve, Nickel-plated Ell Flush Connection, Nickel-plated Flush Pipe, Brass Floor Flange, Gasket and China Capped Bolts.

Approximate shipping weight, 100 pounds.

Price, as described	32.75
If without Loose Key Gate Valve, deduct	2.50

We recommend this closet for residence work.

In using this type of valves special water service is required.

We can furnish any of our Closets equipped with this valve.

WATER CLOSETS



Plate 42-H

Rumsey's "Athena" Square Base Syphon Wash Down Closet with Side Inlet, Nickel-plated "Yesmur" Push Button Flush Valve with Loose Key Gate Valve, Nickel-plated Connection to Bowl and Nickel-plated Supply Pipe to Floor with Cast Brass Escutcheon, No. 110 Semi-Saddle Oak Seat and Cover with Nickel-plated Cast Brass Bar Hinge, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Seats furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 100 pounds.

Price, as described	30.00
If without Cover on Seat, deduct.....	.75

WATER CLOSETS



Plate 43-H

Rumsey's Plain Syphon Jet Closet with No. 26 Vitreous China Tank with No. 4 Nickel-plated Pull Guide, Link Rod and "Enamuloid" Pull, 1½-inch Nickel-plated Straight Flush Pipe, ¾-inch Iron Pipe Size Nickel-plated Straight Supply Pipe with Stop Valve, Nickel-plated Adjustable Pipe Holders, No. 115 Full Saddle Oak Seat and Cover, Cast Brass Floor Flange, Gasket and China Capped Bolts.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 175 pounds.

Price, as described.....	50.00
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WATER CLOSETS



Plate 44-H

Rumsey's Plain Syphon Jet Closet with No. 31 Cast Iron Tank Enameled In and Out, 1½-inch Nickel-plated Straight Flush Pipe, 14 Gauge Iron Pipe Size Nickel-plated Straight Supply Pipe, Nickel-plated Adjustable Pipe Holders, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 175 pounds.

Price, as described	33.00
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WATER CLOSETS



Plate 45-H

Rumsey's Plain Syphon Jet Closet with No. 7 Oak Tank with Nickel-plated Heavy Cast Brass Clover-Leaf Brackets and Top Clamps, 1½-inch Nickel-plated Straight Flush Pipe, 14 Gauge Iron Pipe Size Nickel-plated Straight Supply Pipe, Nickel-plated Adjustable Pipe Holders, No. 100 Oak Seat and Cover, Nickel-plated Coupling Nut and Escutcheon, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Tanks and Seats will be furnished in all cases.

Approximate shipping weight, 140 pounds.

Price, as described.....	29.00
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WATER CLOSETS



Plate 46-H

Rumsey's "Giant" Extra Heavy Wash Down Closet with No. 31 Iron Top Supply Tank Enameled In and Out, $1\frac{1}{4}$ -inch Nickel-plated Straight Flush Pipe with Adjustable Holder, $1\frac{1}{4}$ -inch Nickel-plated Flush Ell, No. 195N Oak Seat without Cover, with Heavy Cast Brass Nickel-plated Box Hinges, Nickel-plated Cast Brass Re-inforcing Ring with Rubber Bumpers, Heavy Cast Brass Floor Flange, Gasket, Bolts and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 200 pounds.

Price, as described.	33.00
If with Cover on Seat, add	3.50

WATER CLOSETS



Plate 47-H

Rumsey's "Giant" Extra Heavy Wash Down Closet with Integral China Seat, No. 31 Cast Iron Top Supply Tank Enameled In and Out, 1¼-inch Nickel-plated Straight Flush Pipe with Adjustable Holder, 1¼-inch Nickel-plated Flush Ell, Cast Brass Floor Flange, Gasket, Bolts and Washers.

Approximate shipping weight, 180 pounds.

Price, as described	32.00
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WATER CLOSETS

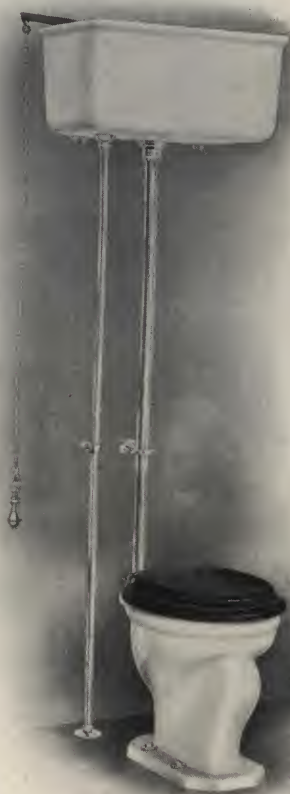


Plate 48-H

Rumsey's Syphon Wash Down Closet with No. 30 Iron Tank Enameled In and Out, $1\frac{1}{4}$ -inch Nickel-plated Straight Flush Pipe, 14 Gauge Iron Pipe Size Nickel-plated Straight Supply Pipe, Nickel-plated Adjustable Holders, $1\frac{1}{4}$ -inch Nickel-plated Flush Ell, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak, or Mahogany Finish. Unless otherwise instructed, Natural Oak Seats will be furnished in all cases.

Approximate shipping weight, 165 pounds.

Price, as described	22.00
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WATER CLOSETS

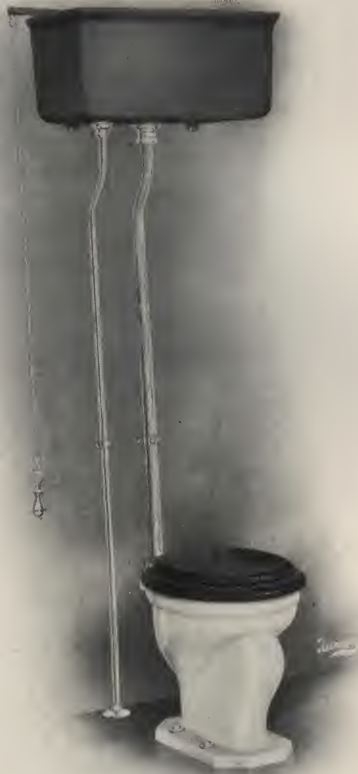


Plate 49-H

Rumsey's Plain Syphon Wash Down Closet with No. 40 Painted Cast Iron Tank, 1¼-inch Nickel-plated Offset Flush Pipe, 14 Gauge Iron Pipe Size Nickel-plated Offset Supply Pipe, Nickel-plated Pipe Straps, 1¼-inch Nickel-plated Flush Ell, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Seats will be furnished in all cases.

Approximate shipping weight, 150 pounds.

Price, as described	18.50
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WATER CLOSETS



Plate 50-H

Rumsey's Plain Syphon Wash Down Closet with No. 40 Painted Iron Top Supply Tank, 1¼-inch Nickel-plated Offset Flush Pipe, 1¼-inch Nickel-plated Flush Ell, Nickel-plated Pipe Strap, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Seats will be furnished in all cases.

Approximate shipping weight, 145 pounds.

Price, as described	16.50
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WATER CLOSETS



Plate 51-H

Rumsey's Plain Syphon Wash Down Closet with No. 6 Oak Tank with Concealed Tank Board, 1¼-inch Nickel-plated Straight Flush Pipe, 14 Gauge Iron Pipe Size Nickel-plated Straight Supply Pipe, Nickel-plated Adjustable Pipe Holders, 1¼-inch Nickel-plated Flush Ell, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Tanks and Seats will be furnished in all cases.

Approximate shipping weight, 120 pounds.

Price, as described.....	20.00
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WATER CLOSETS



Plate 52-H

Rumsey's Plain Syphon Wash Down Closet with No. 6 Oak Tank, with Concealed Tank Board, $1\frac{1}{4}$ -inch Nickel-plated Offset Flush Pipe, 14 Gauge Iron Pipe Size Nickel-plated Offset Supply Pipe, Nickel-plated Pipe Straps, $1\frac{1}{4}$ -inch Nickel-plated Flush Ell, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Tanks and Seats will be furnished in all cases.

Approximate shipping weight, 120 pounds.

Price, as described	18.50
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WATER CLOSETS



Plate 53-H

Rumsey's Plain Syphon Wash Down Closet with No. 6 Oak Top Supply Tank with Concealed Tank Board, 1¼-inch Nickel-plated Offset Flush Pipe with Strap, 1¼-inch Nickel-plated Flush Ell, No. 100 Oak Seat and Cover, Nickel-plated Floor Screws and Washers.

Woodwork furnished in Natural or Golden Oak or Mahogany Finish. Unless otherwise instructed, Natural Oak Finish Tanks and Seats will be furnished in all cases.

Approximate shipping weight, 115 pounds.

Price, as described.....	17.50
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VOGEL FROST-PROOF WATER CLOSETS



Plate 54-H

Plate 55-H

These closets are simple, strong and durable and require no pit. Are quickly and economically installed, as the valve may be covered with earth as soon as connection with the water supply is made. Valve parts can be easily removed from above the floor. Bowls have special design one half roll enameled rims.

COMBINATION No. 1.—Depressing the seat raises the rod, allowing the tank to fill, after which no more water enters until the closet is again used. Releasing the seat allows a strong flush direct from tank to hopper, after which the water in valve casing passes down through waste valve (below frost line) into the sewer, leaving the entire fixture empty. By means of the pressure tank an ample flush is secured without unnecessary waste of water.

Price, Enameled Inside, Tall Oval Enameled Roll Flush Rim Hopper with Re-enforced Hardwood Seat, 8 x 24-in. Galvanized Pressure Tank, Supply and Flush Valves Assembled with 3-ft. 3-in. Valve Rod and Casing, each	17.00
If Hopper Enameled Inside and Outside, add.....	2.50
“ with Self-Raising Seat, add.....	.75

COMBINATION No. 2.—This contains but one washer and flushes while in use, after which no water remains in the fixture or casing.

Price, Enameled Inside Hopper with Brass Fan Wash, Enameled Roll Flush Rim, Hardwood Seat, Valve Assembled with 3-ft. 3-in. Valve Rod and Casing, each	10.00
If Hopper Enameled Inside and Outside, add.....	2.50
“ with Self-Raising Seat, add.....	.75

Combinations with hoppers having 4-inch outlets for caulking into bell end of soil pipe, furnished at same price. Flanged hoppers will be furnished unless otherwise ordered.

AUTOMATIC WATER CLOSETS



Plate 56-H

VOGEL No. 5

This fixture fills the demand for a strong and durable automatic closet for factory use.

Enameled Flushing Rim Hopper and "S" Trap Enameled Inside, Re-enforced Hardwood Seat, Heavy Brass Flush Valve, Galvanized Pressure Tank, Galvanized Flush Pipe and Connections.

Price, as described.....	17.00
If Hopper and Trap Enameled Outside, add.....	5.00
Tall Oval Enameled Hopper No. 1, only.....	4.85
Roll Enameled Rim Fan Wash Hopper No. 2, only	3.00
Galvanized Tank only.....	3.50
Seat Complete for No. 1 Hopper.....	2.00
" " " " " 2 ".....	1.85
Valve and Casing Complete for No. 1 Hopper....	7.50
" " " " " 2 ".....	5.40
Varnished Oak Seat for No. 1 Hopper.....	1.15
" " " " " 2 ".....	1.00

REPAIR PARTS

No.	Name of Part	Price Each	No.	Name of Part	Price Each
1	Seat Casting, Nos. 1 and 2..	.60	18	Fan Wash Hinge Fig. No. 2.	.60
2	" " No. 2 Old Style.	.60	19	Valve Packing.....	.05
3	" Brace.....	.30	20	Screw for Fuller Ball.....	.05
4	Small Packing Nut..	.15	21	Seat Bolt.....	.20
5	Brass Plunger Screw	.05	22	Lead Waste Connection.....	.40
6	Brass Socket, Tap'd One End.	.15	23	Lifting Plate.....	.30
7	" " Two Ends	.15	24	Brass Rod.....	.25
8	Large Packing Nut..	.25	25	Flanged Socket.....	.25
9	Spring.....	.25	26	Supply Valve Body.	1.00
10	Small Plunger.....	.45	27	Guide Sleeve for No. 1.....	.15
11	Flush Valve Body...	2.15	28	Packing Cap Nos. 1 and 2..	.20
12	Coupling Nut.....	.30	29	Valve Plug, New Style....	1.00
13	Fan Wash Swivel No. 1....	.30	30	Hinge Fitting No. 2.	.60
14	Valve Plug, Old Style....	1.00	31	Cplg. Nut for same..	.20
15	Fuller Ball.....	.05	32	Fan Wash Swivel No. 2....	.30
16	Swivel, No. 2 Old Style....	.20	33	Packing Nut No. 2....	.40
17	Cplg. Nut for same..	.20			

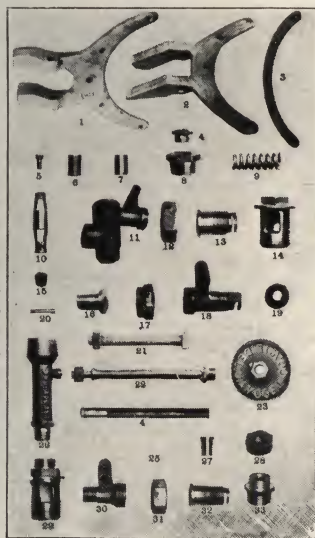


Plate 57-H

CLOSET TANKS

No. D



No. G

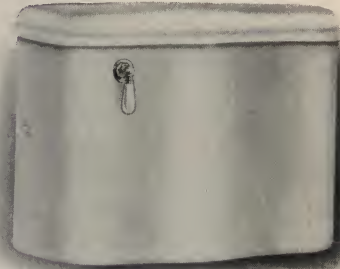


Plate 58-H

Plate 59-H

Rumsey's No. D Vitreous China Low Tank fitted with High Pressure Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Handle Top Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Price.... 16.00

Rumsey's No. G Vitreous China Swell Front Low Tank fitted with High Pressure Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Handle Top Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Price..... 16.00

No. L

No. M



Plate 60-H

Plate 61-H

Rumsey's No. L Vitreous China Round Front Low Tank fitted with High Pressure Elevated Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Handle Top Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Price..... 19.50

Rumsey's No. M Vitreous China Low Tank fitted with High Pressure Elevated Ball Cock, "Excelsior" Glass Float Flush Valve, Nickel-plated Offset or Elbow Flush Connection with Double-Acting China Handle Top Lever, Nickel-plated Supply Pipe and Escutcheon. Price..... 22.50

NOTE.—Elbow Flush Connection will be sent in all cases, unless otherwise specified.

CLOSET TANKS

No. J



Plate 62-H

No. K



Plate 63-H

- Rumsey's No. J Vitreous China Low Tank fitted with High Pressure Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Handle Bottom Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Price..... 18.75
- Rumsey's No. K Vitreous China Swell Front Low Tank fitted with High Pressure Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Handle Bottom Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Price.... 18.75
- Rumsey's No. N Vitreous China Tank (not illustrated) similar to No. D Tank but of smaller capacity and fitted with Douglas Pattern Valve, suitable for Wash Down Closets. Price..... 15.00

No. R



Plate 64-H

- Rumsey's No. R Porcelain Enameled Inside and Outside Cast Iron Low Tank fitted with High Pressure Ball Cock, Douglas Pattern Flush Valve with China Top Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Price..... 15.00
- Rumsey's No. S Enameled Tank (not illustrated) same as No. R Tank but smaller, suitable for Wash Down Closets. Price..... 12.50

NOTE.—Elbow Flush Connection will be sent in all cases, unless otherwise specified.

CLOSET TANKS

No. B-1



No. B-2



Plate 65-H

Plate 66-H

- Rumsey's No. B-1 Low Tank with Box Top, lined with 12-ounce Copper, fitted with Rumsey's High Pressure Elevated Ball Cock, "Excelsior" Glass Float Flush Valve with Double-Acting China Top Lever, Nickel-plated Offset or Elbow Flush Connection, Nickel-plated Supply Pipe and Escutcheon. Woodwork, Natural or Golden Oak or Mahogany Finish, Polished. Price..... 10.50
- Rumsey's No. B-2 Tank, same as No. B-1, but fitted with Bottom Double-Acting China Handle Lever. Price..... 10.50

No. C-1



No. C-2



Plate 67-H

Plate 68-H

- Rumsey's No. C-1 Low Tank with Plain Top, lined with 12-ounce Copper, fitted with High Pressure Ball Cock, Douglas Pattern Flush Valve with Double-Acting China Handle Top Lever, N. P. Offset or Elbow Flush Connection, N. P. Supply Pipe and Escutcheon. Woodwork, Natural or Golden Oak or Mahogany Finish. Price..... 8.75
- For Elevated Ball Cock, add50
- Rumsey's No. C-2 Tank, same as No. C-1, but fitted with Bottom Double-Acting China Lever. Price..... 8.75
- For Elevated Ball Cock, add50

NOTE.—Elbow Flush Connection will be sent in all cases, unless otherwise specified.

CLOSET TANKS

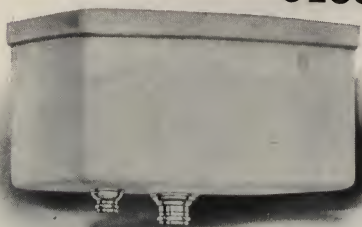


Plate 69-H

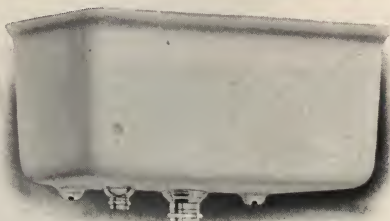


Plate 70-H

PLATE 69-H

Rumsey's Vitreous China High Tank Complete with Ball Cock, Galvanized Goose-neck Flush Valve, Chain and Pull.

Number	Length Outside Inches	Width Outside Inches	Depth Inside Inches	Capacity Gallons	Price
26	19	10	12	5	20.50
27	20½	10½	12	6	20.50
28	23	11½	12	8	21.00

PLATE 70-H

Rumsey's Porcelain Enameled Cast Iron High Tank Complete with Ball Cock, Galvanized Goose-neck Flush Valve, Chain and Pull.

Number	Size Inches	Capacity Gallons	Price	
			Enameled Inside only	Enameled Inside and Outside
30	17½ x 9x10	5	7.30	8.50
31	21 x 11x10	7	9.10	10.75



Plate 71-H



Plate 72-H

PLATE 71-H

Rumsey's Oak High Tank, 12-ounce Copper Lining, Complete with Ball Cock, Galvanized Goose-neck Flush Valve, Chain and Pull.

Number	Size, Inside Inches	Capacity Gallons	Price
6	17 x 8x10	5	6.50
7	20 x 9x10	7	7.50

PLATE 72-H

Rumsey's Cast Iron High Tank, Painted Inside and Outside, Complete with Ball Cock, Galvanized Goose-neck Flush Valve, Chain and Pull.

Number	Size, Inside Inches	Capacity Gallons	Price
40	17½ x 9x10	5	6.00
41	21 x 11x10	7	7.00

NOTE.—All high tanks are furnished with 1¼-inch flush connection, unless otherwise specified.

BALL COCKS AND REPAIR PARTS

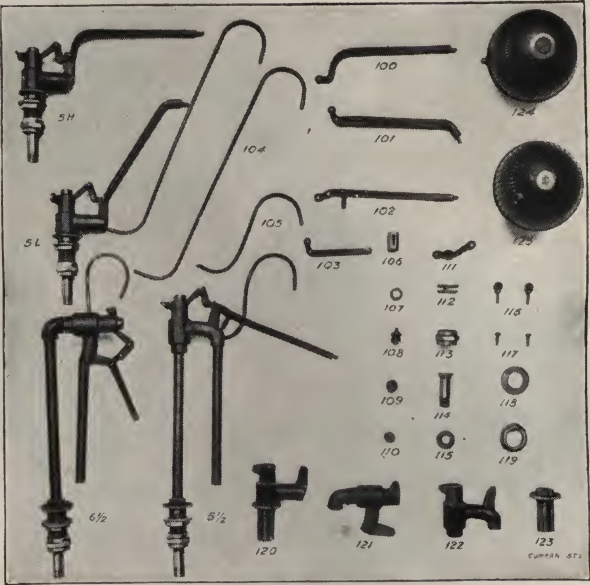


Plate 77-H

No.	Description	Price Each	No.	Description	Price Each
5H	No. 5 Ball Cock for High Tank, with Levers, Locknut, Coupling Nut and Tail Piece.....	2.00	108	Center Piece of Stem .....	.14
5L	No. 5 Submerged Ball Cock for Low Tank, with Levers, Locknut, Coupling, Tail Piece and Overflow Tube	2.30	109	Lock Rings for Stem Fiber Washer .....	.15
6 1/2	Elevated Horizontal Ball Cock for Low Tank, with Levers, Locknut, Coupling Nut, Tail Piece, Overflow Tube and Hush Tube.....	3.00	110	Stem Fiber Washer....per doz.	.30
5 1/2	Elevated Vertical Ball Cock for Low Tank, with Locknut, Coupling Nut, Tail Piece, Levers, Overflow Tube and Hush Pipe	2.50	111	Plunger Lever for Ball Cocks..	.20
100	Float Lever for No. 5H Ball Cock	.30	112	Yoke for Lever .....	.20
101	" " " " 5L " "	.30	113	Coupling Nut for Shank, Rough Brass .....	.20
102	" " " " 5 1/2 " "	.40		Coupling Nut for Shank, Polished and N. P. ....	.30
103	" " " " 6 1/2 " "	.30	114	Tail Piece, Threaded for 3/8-inch I. P. Connection .....	.30
104	Overflow Tube for No. 5L Ball Cock .....	.20	115	Washer for Coupling Nut, per doz.	.30
105	Overflow Tube for No. 5 1/2 Ball Cock .....	.20	116	Lever Thumbscrews	1.00
106	Slotted Top Piece of Stem. ....	.14	117	Fulcrum Screws .....	.30
107	Washer for Top Piece. .per doz.	.30	118	Locknut Washer for Shank "	.30
			119	Locknut, Rough Brass.....	.20
				" Polished and N. P....	.30
			120	Body for No. 5H and No. 5L Ball Cocks .....	.70
			121	Body for No. 6 1/2 Ball Cock..	1.20
			122	" " " " 5 1/2 " "	.60
			123	Shank for No. 5 1/2 and No. 6 1/2 Ball Cocks.....	.40
			124	5-inch Corrugated Copper Float	.50
			125	5 " Solderless " "	.80
		

CLOSET SEATS

No. 140



Plate 78-H

No. 140N



Plate 79-H

No. 140	—Quarter-Sawn Natural or Golden Oak or Imitation Mahogany, Satin Finish, with Cover	6.25
" 140N	—Quarter-Sawn Natural or Golden Oak or Imitation Mahogany, Satin Finish, without Cover	5.40
" 240	—Pure White Enameled Finish, with Cover.....	10.50
" 240N	— " " " " without Cover	8.00

No. 150



Plate 80-H

No. 150N



Plate 81-H

No. 150	—Quarter-Sawn Natural or Golden Oak or Imitation Mahogany, Satin Finish, with Cover	9.50
" 150N	—Quarter-Sawn Natural or Golden Oak or Imitation Mahogany, Satin Finish, without Cover	8.50
" 250	—Pure White Enameled Finish, with Cover.....	12.75
" 250N	— " " " " without Cover	10.50

BOTTOM VIEW, No. 140N

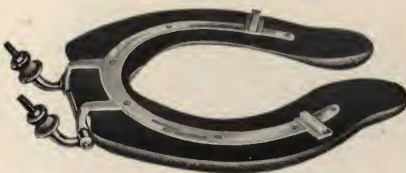


Plate 82-H

BOTTOM VIEW, No. 150N



Plate 83-H

When ordering seats always state the name of closet, kind of woodwork and style of finish.

CLOSET SEATS

No. 100



Plate 84-H

No. 105



Plate 85-H

No. 100	—Natural or Golden Oak or Mahogany Finish, with Cover.....	3.00
" 100N	— " " " " " without Cover.....	2.40
" 200	—Pure White Enameled Finish, with Cover.....	7.50
" 200N	— " " " " " without Cover.....	5.00
" 105	—Semi-Saddle, Natural or Golden Oak or Mahogany Finish, with Cover.....	3.25
" 105N	—Semi-Saddle, Natural or Golden Oak or Mahogany Finish, without Cover.....	2.65
" 205	—Semi-Saddle Pure White Enameled Finish, with Cover.....	7.75
" 205N	— " " " " " without Cover.....	5.25

No. 115



Plate 86-H

No. 120



Plate 87-H

No. 115	—Full Saddle, Natural or Golden Oak or Mahogany Finish, with Cover.....	3.75
" 115N	—Full Saddle, Natural or Golden Oak or Mahogany Finish, without Cover.....	3.15
" 215	—Full Saddle, Pure White Enamel Finish, with Cover.....	8.25
" 215N	— " " " " " without Cover.....	5.75
" 120	—Natural or Golden Oak or Mahogany Finish, with Cover.....	3.75
" 120N	— " " " " " without Cover.....	3.15
" 220	—Pure White Enameled Finish, with Cover.....	8.25
" 220N	— " " " " " without Cover.....	5.75

When ordering seats always state the name of closet, kind of woodwork and style of finish.

CLOSET SEATS

No. 130N



Plate 88-H

No. 170



Plate 89-H

No. 130	—Natural or Golden Oak or Imitation Mahogany, with Cover.....	3.60
" 130N—	" " " " " " without Cover....	3.00
" 230	—Pure White Enameled Finish, with Cover.....	7.50
" 230N—	" " " " " " without Cover.....	5.00
" 170	—Natural or Golden Oak or Imitation Mahogany, Satin Finish, with Cover.....	11.00
" 170N—	Natural or Golden Oak or Imitation Mahogany, Satin Finish, without Cover.....	9.00
" 270	—Pure White Enameled Finish, with Cover.....	14.50
" 270N—	" " " " " " without Cover.....	11.50

No. 175N



Plate 90-H

BOTTOM VIEW, No. 175N



Plate 91-H

No. 175	—U. S. Government Pattern, Natural Oak Finish, with Cover.....	11.00
" 175N—	" " " " " " without Cover....	9.00
" 275	—Pure White Enameled Finish, with Cover.....	14.50
" 275N—	" " " " " " without Cover.....	11.50

When ordering seats always state the name of closet, kind of woodwork and style of finish.

ENAMELED IRON HOPPERS



Plate 92-H



Plate 93-H

Plate 92-H—Tall Oval Enameled Inside Iron Flat Flushing Rim Hopper with Self-Raising Seat and Single or Double Acting Valve. Price..... 11.00

Plate 93-H—Philadelphia Pattern Hopper, Enameled Inside, with Self-Raising Seat and Single or Double Acting Valve. Price..... 9.00



Plate 94-H



Plate 95-H

Plate 94-H—Short Oval Flat Flushing Rim Hopper and "S" Trap with Hub Vent, Enameled Inside, with Self-Raising Seat and Single or Double Acting Valve. Price..... 11.00
If Trap Painted Inside, deduct..... 1.00

Plate 95-H—Short Round Hopper and Trap, Enameled Inside, with Self-Raising Seat and Single or Double Acting Valve. Price..... 11.00
If Trap Painted Inside, deduct..... 1.00

Three-quarter or "P" Traps furnished at same price.

ENAMELED IRON HOPPERS



Plate 96-H



Plate 97-H

- Plate 96-H—Tall Oval Roll Flush Rim Hopper, Enameled Inside, with Oak Self-Raising Seat and Brass Flush Connection. Price 10.00
 If Enameled In and Out, add 3.50
 " without Self-Raising Seat Attachment, deduct75

- Plate 97-H—Tall Oval Roll Flush Rim Hopper, Enameled Inside, with Oak Seat and Cover and Brass Flush Connection. Price 9.75
 If Enameled In and Out, add 3.50
 " without Cover on Seat, deduct50



Plate 98-H



Plate 99-H

- Plate 98-H—Tall Round Flat Flush Rim Hopper, Enameled Inside, with Oak Rim Seat and Brass Flush Connection. Price 6.50
 If Enameled In and Out, add 3.50
 " without Rim Seat, deduct 1.50

- Plate 99-H—Tall Oval Flat Flush Rim Hopper, Enameled Inside, with Oak Rim Seat and Brass Flush Connection. Price 7.00
 If Enameled In and Out, add 3.50

ENAMELED IRON HOPPERS



Plate 100-H



Plate 101-H

- Plate 100-H—Tall Oval Roll Flush Rim Hopper, Enameled Inside, with Seat Lugs and Brass Flush Connection. Price..... 7.10
If Enameled In and Out, add..... 3.50
- Plate 101-H—New Pattern Philadelphia Hopper, Enameled Inside. Price..... 2.00



Plate 102-H



Plate 103-H

- Plate 102-H—Short Oval Flat Flush Rim Hopper with "S" Trap with Hub Vent, Enameled Inside, with Oak Self-Raising Seat and Brass Flush Connection. Price..... 11.25
If Trap Painted Inside, deduct..... .75
- Plate 103-H—Short Oval Roll Flush Rim Hopper with "S" Trap, with Hub Vent, Enameled Inside, with Oak Seat and Cover and Brass Flush Connections. Price..... 11.25
If Trap Painted Inside, deduct..... .75

IRON HOPPER CLOSETS**McIVER PATTERN HOPPERS****WITH HARDWOOD SEAT,
COUPLING, AND TAILPIECE**

Plate 104-H

**SEAT-OPERATING, WITH VALVE
FOR EXPOSED PLACES**

Plate 105-H

The valve of the seat-operating hopper is placed below the frost line and connected to the hopper with a chain. When the seat is depressed the valve is opened and hopper is flushed. When the seat is released, the supply valve is closed and the waste valve opened, allowing the water between valve and hopper to escape, leaving the pipe between the valve and hopper free from water.

Price, Enameled Inside, with Hardwood Seat, Coupling and Tailpiece.....	5.50
“ “ “ “ “ Seat-Operating Valve.....	10.00
“ “ “ “ “ Hopper only, with Coupling for L. P.	3.00
“ “ “ “ “ “ I. P.	3.15

HOPPER TRAPS, 4-INCH**FULL "S," HIGH PATTERN
FOR C. I. PIPE CONNECTION
WITH HUB VENT**

Plate 106-H

**FULL "S," LOW PATTERN
FOR C. I. PIPE CONNECTION
WITH HANDHOLE AND COVER**

Plate 107-H

**FULL "S," LOW PATTERN
FOR LEAD PIPE CONNECTION
WITH BRASS VENT COUPLING**

Plate 108-H

Price, Full "S," 1/2 "S" or 3/4 "S" Traps, High or Low Pattern, with Hub Vent, or Handhole and Cover, or without Vent, for Cast Iron or Lead Pipe Connection			
“ Full "S," 1/2 "S" or 3/4 "S" Traps, with Brass Vent Coupling, High or Low Pattern, for Cast Iron or Lead Pipe Connection.....			

Painted	Enameled Inside	Enameled In and Out
1.75	2.50	3.50
2.75	3.50	4.50

IRON HOPPER TRAPS

**LOW PATTERN
WITHOUT VENT**

FULL "S," FOR IRON PIPE



Plate 109-H

FULL "S," FOR LEAD PIPE

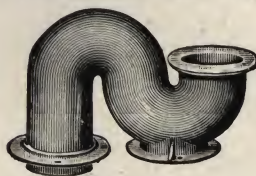


Plate 110-H

½ "S," FOR IRON PIPE



Plate 111-H

$\frac{3}{4}$ "S," FOR IRON PIPE



Plate 112-H

Price, for Iron or Lead Pipe Connection, Painted.....	each	2.00
“ “ “ “ “ “ “ Enameled Inside	“	2.50
“ “ “ “ “ “ “ “ In and Out.....	“	5.00

WITH HUB VENT

FULL "S," FOR IRON PIPE



Plate 113-H

FULL "S," FOR LEAD PIPE



Plate 114-H

1/2 "S," FOR IRON PIPE



Plate 115-H

$\frac{3}{4}$ "S," FOR IRON PIPE



Plate 116-H

Price, for Iron or Lead Pipe Connection, Painted.....	each	2.00
“ “ “ “ “ “ “ Enameled Inside.....	“	2.50
“ “ “ “ “ “ “ “ In and Out.....	“	5.00

CLOSET RANGES
AUTOMATIC SYPHON

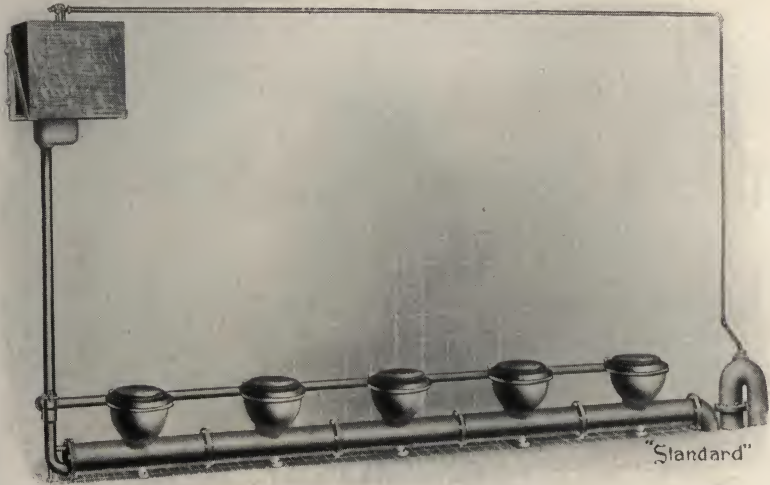


Plate 118-H

Automatic Individual Bowl Syphon Range Closet with Copper-Lined Wood Tank, Galvanized Iron Flush and Air Pipes, and Brass Pipe and Union Couplings connected to Flushing Rims of Bowls and Hinged Oak Seats with Iron Re-enforcements and Covers.

Number of Seats	24-INCH SEATS		27-INCH SEATS		30-INCH SEATS	
	Painted	Enameled	Painted	Enameled	Painted	Enameled
3	87.00	101.00	90.00	105.00	93.00	109.00
4	103.50	121.00	107.50	126.25	111.50	131.50
5	120.00	141.00	125.00	147.50	130.00	154.00
6	136.50	161.00	142.50	168.75	148.50	176.50
7	153.00	181.00	160.00	190.00	167.00	199.00
8	169.50	201.00	177.50	211.25	185.50	221.50

- If without Re-enforcements on Seats, deduct, each Seat 1.50
- “ “ Seat Covers, deduct, each 1.00
- “ with Self-Raising Seats, add, each Seat 1.00
- If with Combined Enameled Iron Seat and Flushing Rim, no extra charge.
- If with Pressed Steel Partitions, add for each Partition, 8.00.
- If with Pressed Steel Partitions and Backs, add for each Partition, 8.00; for each Back on 24-inch Seats, 6.50; 27-inch Seats, 7.00; 30-inch Seats, 7.50.
- If with all private enclosures for 27 or 30-inch Seats, add for each enclosure Partition, 13.50; add for each Door, 16.00.
- Painted Cast Iron Tank can be furnished without extra charge. Lead-Lined Tank can be furnished to order. Prices upon application.
- Unless otherwise ordered, Range with Enameled Interior, 24-inch Seats and Outlet on right end, will be sent.

CLOSET RANGES

AUTOMATIC SYPHON EDUCATION

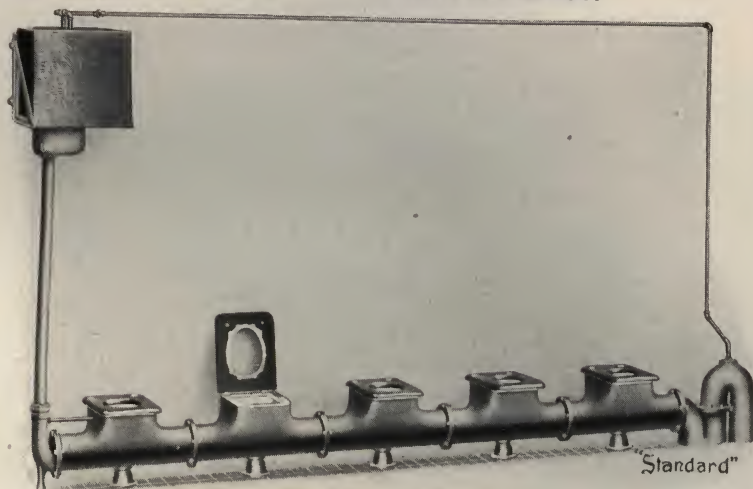


Plate 119-H

Automatic Syphon Education Range Closet with Copper-Lined Wood Tank, Galvanized Iron Flush and Air Pipes and Hinged Oak Seats with Iron Re-enforcements.

Number of Seats	24-INCH SEATS		27-INCH SEATS		30-INCH SEATS	
	Painted	Enameled	Painted	Enameled	Painted	Enameled
3	70.00	82.00	73.00	85.75	76.75	90.25
4	82.50	98.00	86.50	103.00	91.50	109.00
5	95.00	114.00	100.00	120.25	106.25	127.75
6	107.50	130.00	113.50	137.50	121.00	146.50
7	120.00	146.00	127.00	154.75	135.75	165.25
8	132.50	162.00	140.50	172.00	150.50	184.00
9	145.00	178.00	154.00	189.25	165.25	202.75
10	157.50	194.00	167.50	206.50	180.00	221.50
11	170.00	210.00	181.00	223.75	194.75	240.25
12	182.50	226.00	194.50	241.00	209.50	259.00
13	195.00	242.00	.....	.....	.....	.....
14	207.50	258.00	.....	.....	.....	.....
15	220.00	274.00	.....	.....	.....	.....

If without Re-enforcement on Seats, deduct, each Seat.....	1.50
“ with Hinged Enameled Iron Seats, add, each Seat.....	2.25
“ “ Stationary Enameled Iron Seats, add, each Seat.....	1.00
“ “ Self-Raising Seats, add, each Seat.....	1.75
“ “ Stationary Seats instead of Hinged, deduct, each Seat.....	.50
“ “ Seat Covers, add, each	1.00

Painted Iron Tank furnished without extra charge. Lead-Lined Tank extra.

Can be furnished with 5x2-inch Vent Connection on each section for Sheet Iron Vent Pipe, or tapped for 2-inch Iron Pipe Vent. For either style of Vent, add, each Seat, 1.50.

Unless otherwise ordered, Range with Enameled Interior, 24-inch Seats and Outlet at right end, as shown, will be sent.

CLOSET RANGES
AUTOMATIC SYPHON EDUCATION

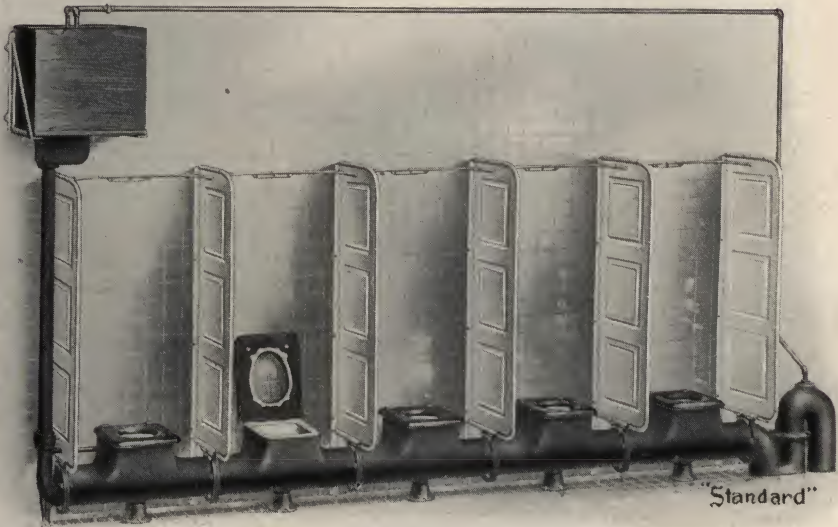


Plate 120-H

Automatic Syphon Education Range Closet with Copper-Lined Wood Tank, Galvanized Iron Flush and Air Pipes and Hinged Oak Seats with Iron Re-enforcements and Pressed Steel Partitions.

Number of Seats	24-INCH SEATS		27-INCH SEATS		30-INCH SEATS	
	Painted	Enameled	Painted	Enameled	Painted	Enameled
3	98.00	110.00	101.00	113.75	104.75	118.25
4	117.50	133.00	121.50	138.00	126.50	144.00
5	137.00	156.00	142.00	162.25	148.25	169.75
6	156.50	179.00	162.50	186.50	170.00	195.50
7	176.00	202.00	183.00	210.75	191.75	221.25
8	195.50	225.00	203.50	235.00	213.50	247.00
9	215.00	248.00	224.00	259.25	235.25	272.75
10	234.50	271.00	244.50	283.50	257.00	298.50
11	254.00	294.00	265.00	307.75	278.75	324.25
12	273.50	317.00	285.50	332.00	300.50	350.00
13	293.00	340.00	.....	.....	.....	.....
14	312.50	363.00	.....	.....	.....	.....
15	332.00	386.00	.....	.....	.....	.....

If with Stationary Seats instead of Hinged, deduct, each seat50
" " Seat Covers, add, each 1.00
" " Hinged Enameled Iron Seats, add, each seat 2.25
" " Stationary Enameled Iron Seats, add, each seat 1.00
" " Self-Raising Seats, add, each seat 1.75
" without Re-enforcement on Seats, deduct, each seat 1.50
Painted Cast Iron Tank can be furnished without extra charge.
Can be furnished with 5x2-inch Vent Connection on each section for Sheet Iron Vent Pipe, or tapped for 2-inch Iron Pipe Vent. For either style add, each, 1.50.
Unless otherwise ordered, Range with Enameled Interior, 24-inch Seats, and Outlet at Right End, as shown, will be sent.

CLOSET RANGES

AUTOMATIC WASHOUT

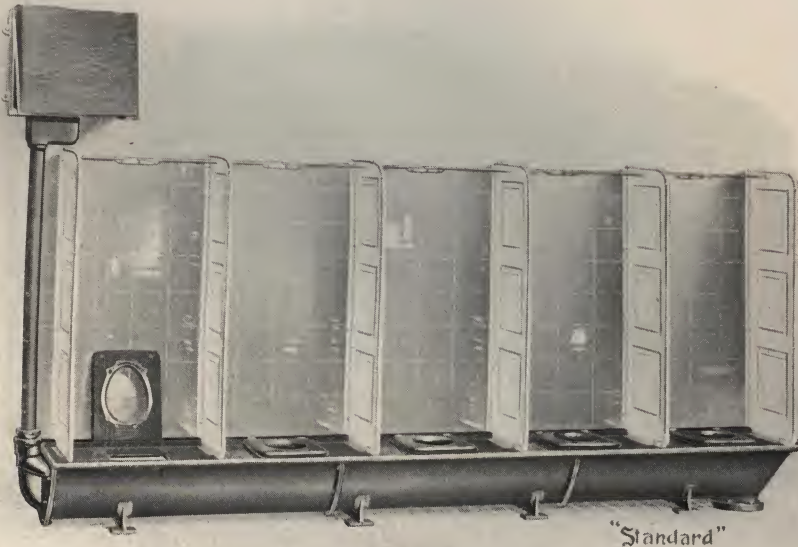


Plate 121-H

Automatic Washout Closet Range with Automatic Copper-Lined Wood Tank, Galvanized Iron Flush Pipe, Hinged Oak Seats with Iron Re-enforcements, Oak Top Plates and Back Strip, and Pressed Steel Partitions, Perforated Wash Down Pipes fitted Inside of Range (Brass on Enameled and Galvanized Iron on Painted Ranges).

Number of Seats	24-INCH SEATS		27-INCH SEATS		30-INCH SEATS	
	Painted	Enameled	Painted	Enameled	Painted	Enameled
2	71.00	80.00	74.00	84.00	77.00	88.00
3	90.25	102.50	94.50	108.25	98.50	113.75
4	109.50	125.00	115.00	132.50	120.00	139.50
5	128.75	147.50	135.50	156.75	141.50	165.25
6	148.00	170.00	156.00	181.00	163.00	191.00
7	167.25	192.50	176.50	205.25	184.50	216.75
8	186.50	215.00	197.00	229.50	206.00	242.50
9	205.75	237.50	217.50	253.75	.....	.....
10	225.00	260.00	.....	.....	.....	.....

If Seat Covers are wanted, add, each 1.00

“ with Enameled Iron Top Plates, add, each Seat 3.25

“ “ Hinged Enameled Iron Seats and Frame Strips, add, each Seat 5.00

Painted Cast Iron Tank can be furnished without extra charge. Lead-Lined Tank can be furnished to order. Prices upon application.

If with Ventilating Extension for 14-inch Pipe, add 6.50 for Painted, and 8.50 for Enameled Ranges.

Unless otherwise ordered, Range with Enameled Interior, 24-inch Seats, and Outlet on Right End will be sent.

If without Pressed Steel Partitions, deduct, 7.00 for each Partition.

VITREOUS CHINA LAVATORIES



Plate 200-H

Rumsey's "Double Strength" Vitreous China Square Front Lavatory with Open Overflow, Square Pedestal and Wall Supports, No. 1 "Quick Action" Compression Combination Supply and Waste Fitting with China Lever Handles, China Escutcheons, Pop-up Waste with China Knob, 3/8-inch Iron Pipe Size Nickel-plated Seamless Annealed Supply Pipes to Wall with Stops with China Handles, Nickel-plated Cast Brass Plain Trap, and Nickel-plated Cast Brass Set Screw Escutcheons.

Slab 20x24 inches	Basin 12x16 inches
Slab 22x26 inches	Basin 12x16 inches
Slab 24x30 inches	Basin 14x20 inches

Sizes	20x24	22x26	24x30
Price, as described	62.50	69.00	77.25
If with Vent on Trap, add .....	.75	.75	.75
Approximate Shipping Weight.....pounds	175	200	225

VITREOUS CHINA LAVATORIES



Plate 201-H

Rumsey's "Double Strength" White Vitreous China Swell Front Lavatory with Hooded Overflow, Splash Rim, Vitreous China Pedestal and Wall Supports, No. 36 Nickel-plated Fuller Faucets with China Handles and China Bases, No. 12 Pop-up Waste with China Handle and China Escutcheon, $\frac{3}{8}$ -inch Nickel-plated Iron Pipe Size Supply Pipes to Wall with China Indexed Stops, Nickel-plated Cast Brass Trap and Cast Brass Set Screw Escutcheons.

Slab 22x26 inches	Basin 12 $\frac{1}{2}$ x16 $\frac{1}{2}$ inches
Slab 24x30 inches	Basin 12 $\frac{1}{2}$ x16 $\frac{1}{2}$ inches
Slab 24x33 inches	Basin 13x18 inches

Sizes.....	22x26	24x30	24x33
Price, as described	65.25	68.75	79.00
If with Vent on Trap, add .....	.75	.75	.75
Approximate Shipping Weight..... pounds	190	225	250

VITREOUS CHINA LAVATORIES



Plate 202-H

Rumsey's "Double Strength" Oval Vitreous China Lavatory with Hooded Overflow, Splash Rim, Fluted Pedestal and Wall Supports, No. 1 "Quick Action" Compression Combination Supply and Waste Fitting with China Lever Handles and China Escutcheons, Pop-up Waste with China Knob, $\frac{3}{8}$ -inch Nickel-plated Iron Pipe Seamless Annealed Supply Pipes to Wall with Stops with China Handles, Nickel-plated Cast Brass Plain Trap and Nickel-plated Cast Brass Set Screw Escutcheons.

Slab 22x26 inches	Basin 12 $\frac{1}{2}$ x16 $\frac{1}{2}$ inches
Slab 24x30 inches	Basin 13x18 inches
Slab 24x33 inches	Basin 13x18 inches

Sizes.....	22x26	24x30	24x33
Price, as described	76.00	80.00	90.00
If with Vent on Trap, add.....	.75	.75	.75
Approximate Shipping Weight.....pounds	200	225	250

VITREOUS CHINA LAVATORIES



Plate 203-H

Rumsey's "Double Strength" Vitreous China Round Lavatory with Integral Back, Open Overflow, Plain Pedestal, and Wall Supports, No. 6½ Nickel-plated Fuller Faucets with China Handles, China Indexes and Unions, No. 12 Pop-up Waste with China Knob and China Escutcheon, Nickel-plated Iron Pipe Size Supply Pipes to Wall with Stops with China Indexed Handles, N. P. Cast Brass Plain Trap and Nickel-plated Escutcheons.

Diameter 24 inches Basin 15½ inches Back 4 inches

Price, as described.....	51.50
If with Vent on Trap, add.....	.75
Approximate Shipping Weight.....pounds	200

VITREOUS CHINA LAVATORIES

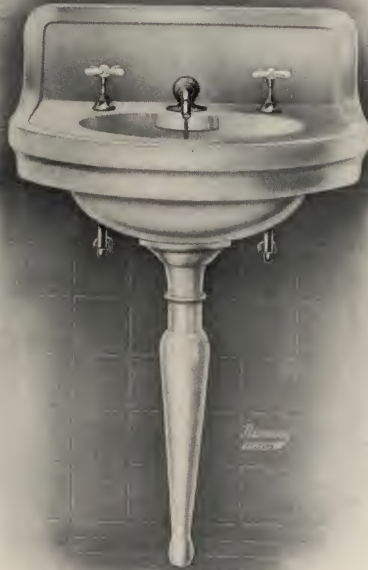


Plate 204-H

Rumsey's "Double Strength" Round Front Vitreous China Lavatory with Integral Back, Hooded Overflow and Splash Rim, Vitreous China Leg and Wall Supports, No. 5 Special Combination Compression Supply Fitting with China Handles and Nickel-plated Escutcheons, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, Chain and Rubber Stopper, $\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 20x24 inches Basin $12\frac{1}{2}$ x $16\frac{1}{2}$ inches Back 6 inches

Price, as described	47.00
If with Vent on Trap, add .....	.75
Approximate Shipping Weight.....pounds	160

VITREOUS CHINA LAVATORIES



Plate 205-H

Rumsey's "Double Strength" Vitreous China Straight Front Lavatory with Hooded Overflow and Splash Rim, Vitreous China Leg, Wall Supports, No. 5½ Nickel-plated Fuller Faucets with China Handles and Indexes, Nickel-plated ⅜-inch Iron Pipe Size Supply Pipes to Wall, Chain Stay, Chain and Rubber Stopper, and 1¼-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 20x24 inches Basin 12½x16½ inches

Price, as described	34.00
If with Vent on Trap, add.....	.75
Approximate Shipping Weight.....pounds	160

VITREOUS CHINA LAVATORIES



Plate 206-H

Rumsey's "Double Strength" Vitreous China Corner Lavatory with Open Overflow, Integral Back, Vitreous China Leg with Wall Supports, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, 3/8-inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, Nickel-plated Chain Stay, Chain and Rubber Stopper, 1 1/4-inch Nickel-plated Plain "P" Trap, and Nickel-plated Escutcheons.

Slab 16 1/2 x 16 1/2 inches	Basin 11 1/2 x 14 1/2 inches	Back 6 inches
Slab 19 1/2 x 19 1/2 inches	Basin 11 1/2 x 14 1/2 inches	Back 6 inches
Slab 24 x 24 inches	Basin 12 1/2 x 16 1/2 inches	Back 6 inches

Sizes.....	16 1/2 x 16 1/2	19 1/2 x 19 1/2	24 x 24
Price, as described.....	31.00	42.50	59.25
If with Vent on Trap .....	.75	.75	.75
Approximate Shipping Weight.....pounds	150	175	200

VITREOUS CHINA LAVATORIES



Plate 207-H

Rumsey's "Double" Strength Vitreous China Recess Lavatory with Integral Back and Ends 6 inches high, on Concealed Hangers, fitted with Rumsey's "Quick Action" Compression Faucets with China Handles and Indexes, No. 12 Pop-up Basin Waste with China Handle and Escutcheon, Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 20x24 inches	Basin $15\frac{1}{2}$ x12 inches
Slab 20x30 inches	Basin 18x13 inches
Slab 22x30 inches	Basin 17x12 inches

Sizes.....	20x24	20x30	22x30
Price, as described	73.00	88.75	88.75
If with Vented Trap, add.....	.75	.75	.75
Approximate Shipping Weight..... pounds	150	175	190

Rumsey's "Double Strength" Vitreous China Recess Lavatory with Integral Back and Ends 6 inches high, on Concealed Hangers, fitted with "Yesmur" Nickel-plated Self-Closing Faucets, Nickel-plated Chain Stay and Chain, Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

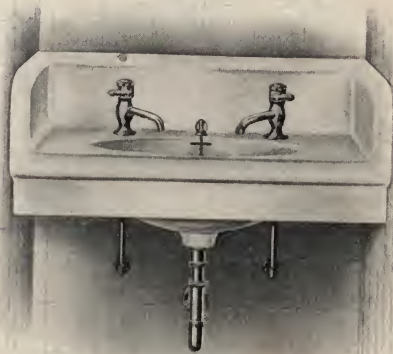


Plate 208-H

Slab 20x24 inches	Basin $15\frac{1}{2}$ x12 inches
Slab 20x30 inches	Basin 18x13 inches
Slab 22x30 inches	Basin 17x12 inches

Sizes.....	20x24	20x30	22x30
Price, as described	67.25	81.25	81.25
If with Vented Trap, add.....	.75	.75	.75
Approximate Shipping Weight..... pounds	150	175	190

VITREOUS CHINA LAVATORIES



Plate 209-H

Rumsey's "Double Strength" Vitreous China Round Front Lavatory with Integral Back, Open Overflow, Concealed Wall Hanger, No. 5 Nickel-plated Compression Combination Supply Fitting with China Cross Handles, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, $\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap, Chain and Rubber Stopper and Nickel-plated Escutcheons.

Slab 18x20 inches	Basin $12\frac{1}{2} \times 16\frac{1}{2}$ inches	Back 6 inches
Slab 20x24 inches	Basin $12\frac{1}{2} \times 16\frac{1}{2}$ inches	Back 6 inches

Sizes.....	18x20	20x24
Price, as described	30.50	40.00
If with Vent on Trap, add .....	.75	.75
Approximate Shipping Weight.....pounds	110	150

VITREOUS CHINA LAVATORIES



Plate 210-H

Rumsey's "Double Strength" Vitreous China Round Front Lavatory with Integral Back, Open Overflow, Concealed Wall Hangers, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, No. 12 Nickel-plated Pop-up Waste with China Knob and China Escutcheon, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 18x20 inches	Basin $12\frac{1}{2}$ x $16\frac{1}{2}$ inches	Back 6 inches
Slab 20x24 inches	Basin $12\frac{1}{2}$ x $16\frac{1}{2}$ inches	Back 6 inches

Sizes.....	18x20	20x24
Price, as described.....	29.00	38.50
If with Vent on Trap, add.....	.75	.75
Approximate Shipping Weight..... pounds	110	150

VITREOUS CHINA LAVATORIES

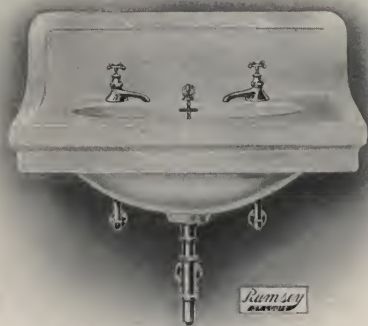


Plate 211-H

Rumsey's "Double Strength" Vitreous China Square Front Lavatory with Integral Back, Open Overflow, Concealed Wall Hanger, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, 3/8-inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Plain "P" Trap, Chain and Rubber Stopper and Nickel-plated Escutcheons.

Slab 18x20 inches	Basin 12 1/2 x 16 1/2 inches	Back 6 inches
Slab 20x24 inches	Basin 12 1/2 x 16 1/2 inches	Back 6 inches

Sizes.....	18x20	20x24
Price, as described	22. 00	31. 50
If with Vent on Trap, add.....	.75	.75
Approximate Shipping Weight.....pounds	125	150

VITREOUS CHINA LAVATORIES



Plate 212-H

Rumsey's "Double Strength" Vitreous China Corner Lavatory with Integral Back, Open Overflow, Concealed Wall Hangers, No. 5 Nickel-plated Compression Combination Supply Fitting with China Cross Handles and Nickel-plated Escutcheons, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab $16\frac{1}{2} \times 16\frac{1}{2}$ inches	Basin $11\frac{1}{2} \times 14\frac{1}{2}$ inches	Back 6 inches
Slab $19\frac{1}{2} \times 19\frac{1}{2}$ inches	Basin $11\frac{1}{2} \times 14\frac{1}{2}$ inches	Back 6 inches

Sizes.....	$16\frac{1}{2} \times 16\frac{1}{2}$	$19\frac{1}{2} \times 19\frac{1}{2}$
Price, as described.....	35.00	46.75
If with Vent on Trap, add75	.75
Approximate Shipping Weight..... pounds	125	150

VITREOUS CHINA LAVATORIES

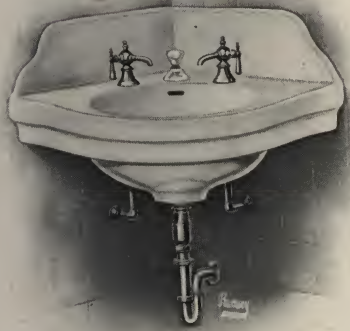


Plate 213-H



Plate 214-H

PLATE 213-H

Rumsey's Double Strength Vitreous China Corner Lavatory with Integral Back, Concealed Wall Hangers, No. 0 Nickel-plated Fuller Faucets, No. 12 Nickel-plated Pop-up Waste with China Handle and China Escutcheon, Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

	Slab 16x16 inches	Basin 11x14 inches	Back 6 inches	
	Slab 19x19 inches	Basin 11x14 inches	Back 6 inches	
	Slab 24x24 inches	Basin 12x16 inches	Back 6 inches	
Sizes	16x16	19x19	24x24	
Price, as described	31.00	41.50	57.25	
If with Vented Trap, add .....	.75	.75	.75	
Approximate Shipping Weight	100	125	175	pounds

PLATE 214-H

Rumsey's Double Strength Vitreous China Corner Lavatory with Integral Back, Concealed Wall Hangers, No. 26 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Chain Stay and Chain, Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

	Slab 16 1/2 x 16 1/2 inches	Basin 11x14 inches	Back 6 inches	
	Slab 19x19 inches	Basin 11x14 inches	Back 6 inches	
Sizes	16 1/2 x 16 1/2	19x19		
Price, as described	25.50	29.00		
If with Vented Trap, add .....	.75	.75		
Approximate Shipping Weight	100	125		pounds

ENAMELED IRON BARBERS' LAVATORIES



Plate 215-H

Rumsey's Porcelain Enameled Iron Two-Bowl Barber's Lavatory on Fluted Pedestals, fitted with Nickel-plated Imperial Wastes, with China Index, No. 5½ Nickel-plated Fuller Faucets with China Handles and China Indexes, Nickel-plated Fuller Double Shampoo Cock with China Handles, Shampoo Spray and Rubber Tubing, Nickel-plated Supply Pipes to Floor with China Indexed Stops, Nickel-plated Waste with Nickel-plated Offset Trap to Floor and Nickel-plated Escutcheons.

Slab 27x45 inches Basins 13x19 inches Apron 5 inches

Price, as described.....	115.00
“ Lavatory and Pedestals only, less Fittings.....	51.00

ENAMELED IRON BARBERS' LAVATORIES



Plate 216-H

Rumsey's Cast Iron Porcelain Enameled Barber's Swell Front Lavatory on Pedestal, fitted with Nickel-plated Combination Fuller and Compression Basin Cocks and Shampoo Fitting with Shampoo Spray and Rubber Tubing, Nickel-plated "Imperial" Waste with China Knob, Nickel-plated Wall Supply Pipes and 1¼-inch Nickel-plated Flask Trap without Vent.

Slab 24x30 inches Basin 13x18 inches

Price, as described	73.75
If with Vented Trap, add .....	.75

ENAMELED IRON BARBERS' LAVATORIES



Plate 217-H

Rumsey's Cast Iron Porcelain Enameled Oval Barber's Lavatory on Fluted Pedestal, fitted with Nickel-plated Combination Fuller and Compression Basin Cocks and Shampoo Fitting with Shampoo Spray and Rubber Tubing, Nickel-plated "Imperial" Waste with China Index, Nickel-plated Wall Supply Pipes and $1\frac{1}{4}$ -inch Nickel-plated Flask Trap without Vent.

Slab 19x28 inches	Basin 11x15 inches
Slab 24x33 inches	Basin 13x17 inches

Sizes	19x28	24x33
Price, as described	67.00	72.75
If with Vented Trap, add .....	.75	.75

ENAMELED IRON BARBERS' LAVATORIES



Plate 218-H

Rumsey's Cast Iron Porcelain Enameled Oval Barber's Lavatory on Fluted Pedestal, fitted with Nickel-plated Fuller and Compression Combination Basin Cock and Shampoo Fitting with China Indexed Handles, Shampoo Spray with Rubber Tubing, Nickel-plated "Imperial" Waste with China Index, Nickel-plated Supply Pipes to Wall and 1¼-inch Nickel-plated Plain "P" Trap.

Slab 24x33 inches Basin 13x17 inches

Price, as described	66.00
If with Vented Trap, add .....	.75

ENAMELED IRON LAVATORIES



Plate 219-H

Rumsey's Porcelain Enameled Iron Lavatory on Pedestal, with No. 15 Nickel-plated Compression Combination Supply and Waste Fitting with Solid China Handles Indexed, China Waste Knob, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 20x24 inches	Basin 11x15 inches
Slab 22x28 inches	Basin 13x17 inches
Slab 22x30 inches	Basin 13x17 inches
Slab 24x32 inches	Basin 13x18 inches

Sizes	20x24	22x28	22x30	24x32
Price, as described	30.25	34.00	37.00	42.00
If with Vent on Trap, add .....	.75	.75	.75	.75
Price, Lavatory and Pedestal only, less all Fittings	17.00	20.00	23.00	28.00
Approximate Shipping Weight pounds	175	200	225	250

ENAMELED IRON LAVATORIES



Plate 220-H

Rumsey's Porcelain Enameled Iron Swell Front Lavatory on Pedestal, with No. 28 Nickel-plated Compression Faucets with Solid China Handles Indexed, Nickel-plated "Imperial" Waste with China Knob, 3/8-inch Iron Pipe Size Nickel-plated Supply Pipes to Wall with China Indexed Stops, Nickel-plated Plain Flask Trap to Wall and Nickel-plated Brass Escutcheons.

Slab 24x30 inches Basin 13x18 inches

Price, as described	54.00
If with Vent on Trap, add .....	.75
Price, Lavatory and Pedestal only, less all Fittings	36.00
Approximate Shipping Weight.....pounds	225

ENAMELED IRON LAVATORIES



Plate 221-H

Rumsey's Porcelain Enameled Iron Oval Lavatory on Pedestal, with No. 12 Nickel-plated Compression Combination Supply and Waste Fitting, China Cross Handles, China Escutcheons and China Waste Knob, $\frac{3}{8}$ -inch Iron Pipe Size Nickel-plated Supply Pipes to Wall with China Indexed Stops, Nickel-plated Plain Flask Trap and Nickel-plated Cast Brass Escutcheons.

Slab 24x33 inches Basin $12\frac{1}{2}$ x17 inches

Price, as described.....	67.75
If with Vent on Trap, add.....	.75
Price, Lavatory and Pedestal only, less all Fittings.....	36.00
Approximate Shipping Weight	300 pounds

ENAMELED IRON LAVATORIES



Plate 222-H

Rumsey's Oval Porcelain Enameled Iron Lavatory on Fluted Pedestal, with No. 5½ Nickel-plated Fuller Faucets with China Handles and China Indexes, Nickel-plated "Imperial" Waste with China Knob, ¾-inch Iron Pipe Size Nickel-plated Supply Pipes to Wall, Nickel-plated Plain Flask Trap with Waste to Wall and Nickel-plated Escutcheons.

Slab 19x28 inches	Basin 11x15 inches
Slab 24x33 inches	Basin 13x17 inches

Sizes	19x28	24x33
Price, as described	45.00	49.50
If with Vent on Trap, add.....	.75	.75
Price, Lavatory and Pedestal only, less all Fittings	30.50	36.00
Approximate Shipping Weight	200	225

ENAMELED IRON LAVATORIES



Plate 223-H

Rumsey's Porcelain Enameled Iron Oval Lavatory with Concealed Wall Brackets, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated Imperial Waste with China Index, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 19x28 inches
Slab 24x33 inches

Basin 11x15 inches
Basin 13x17 inches

Sizes.....	19x28	24x33
Price, as described	29.00	34.75
If with Vent on Trap, add.....	.75	.75
Price, Lavatory only, less all Fittings.....	19.50	25.00
Approximate Shipping Weight	125	150
	pounds	

Rumsey's Porcelain Enameled Iron Lavatory with Combined Overflow Strainer and Soap Cup, Concealed Wall Brackets, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Bag Trap and Nickel-plated Escutcheons.



Slab 20x24 inches Basin 11x15 inches
Slab 22x28 inches Basin 13x17 inches

Plate 224-H

Sizes.....	20x24	22x28
Price, as described	18.25	22.75
If with Vent on Trap, add.....	.75	.75
Price, Lavatory only, less all Fittings.....	12.50	17.50
Approximate Shipping Weight	110	140
	pounds	

ENAMELED IRON LAVATORIES



Plate 225-H

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Apron, Combined Overflow Strainer and Soap Cup, Concealed Wall Hanger, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1¼-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 18x24 inches	Basin 11x15 inches
	Back 10 inches
Slab 20x24 inches	Basin 11x15 inches
	Back 10 inches
Slab 20x24 inches	Basin 11x15 inches
	Back 12 inches
Slab 22x28 inches	Basin 13x17 inches
	Back 12 inches

Sizes.....	
Price, as described.....	
If with Vent on Trap, add.....	
Price, Lavatory only, less all Fittings.....	
Approximate Shipping Weight.....pounds	

18x24x10	20x24x10	20x24x12	22x28x12
17.75	19.40	19.75	28.00
.75	.75	.75	.75
14.00	15.50	17.50	21.00
125	135	140	175

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Apron, Combined Overflow Strainer and Soap Cup, Concealed Wall Hanger, Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, "IXL" Waste with China Cross Handle, 1¼-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 18x24 inches	Basin 11x15 inches
	Back 10 inches
Slab 20x24 inches	Basin 11x15 inches
	Back 10 inches
Slab 20x24 inches	Basin 11x15 inches
	Back 12 inches
Slab 22x28 inches	Basin 13x17 inches
	Back 12 inches



Plate 226-H

Sizes.....	
Price, as described.....	
If with Vent on Trap.....	
Price, Lavatory only, less all Fittings.....	
Approximate Shipping Weight.....pounds	

18x24x10	20x24x10	20x24x12	22x28x12
21.50	23.25	25.55	31.75
.75	.75	.75	.75
14.00	15.50	17.50	21.00
125	135	140	175

ENAMELED IRON LAVATORIES



Plate 227-H

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Apron, Concealed Wall Hanger, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "Imperial" Waste with China Index, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 21x26 inches Basin 11 1/4 x 16 1/2 inches
Back 12 inches

Price, as described.....	32.50
If with Vent on Trap, add	.75
Price, Lavatory only, less all Fittings.....	20.00
Approximate Shipping Weight.....pounds	150

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Apron, Concealed Wall Hanger, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "Imperial" Waste with China Index, 1 1/4-inch Nickel-plated Plain Offset Trap and Nickel-plated Escutcheons.

Slab 20x24 inches Basin 11 1/4 x 16 1/2 inches
Back 12 inches

Price, as described.....	24.25
If with Vent on Trap, add	.75
Price, Lavatory only, less all Fittings.....	17.50
Approximate Shipping Weight.....pounds	140



Plate 228-H

ENAMELED IRON LAVATORIES



Plate 229-H

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Apron, Concealed Wall Hanger, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "IXL" Waste with China Cross Handle, 1¼-inch Nickel-plated Vented "P" Trap and Nickel-plated Escutcheons.

Slab 18x21 inches Basin 11x15 inches
Back 6 inches

Price, as described	21.25
“ “ “ less	
“IXL” Waste	17.50
“ Lavatory only, less	
all Fittings.....	12.00
Approximate Shipping	
Weight.....pounds	100

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Apron, Concealed Wall Hanger, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated Imperial Waste with China Index, 1¼-inch Nickel-plated Plain Offset Trap and Nickel-plated Escutcheons.

Slab 18x21 inches Basin 11x15 inches
Back 8 inches

Price, as described	19.50
If with Vent on Trap, add . . . . .	.75
Price, Lavatory only, less all Fittings.	10.25
Approximate Shipping Weight. pounds	100



Plate 230-H

ENAMELED IRON LAVATORIES



Rumsey's Porcelain Enameled Iron Lavatory with Integral Back and Patent Overflow, Concealed Hanger, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 17x19 inches Basin 10 1/4 x 14 1/2 inches
Back 6 1/2 inches

Slab 18x21 inches Basin 11x14 inches
Back 8 inches

Plate 231-H

Sizes	17x19	18x21
Price, as described	11.50	13.00
" Lavatory only, less all Fittings	9.00	10.25
Approximate Shipping Weight	90	100

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back, Combined Overflow and Soap Dish, Concealed Wall Hanger, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Vented "P" Trap with Plug and Chain and Nickel-plated Escutcheons.

Slab 18x21 inches Basin 11x15 inches
Back 8 inches



Plate 232-H

Price, as described	13.00
" Lavatory only, less all Fittings	10.25
Approximate Shipping Weight	100

ENAMELED IRON LAVATORIES



Plate 233-H

Sizes.....	
Price, as described	
“ “ “ with “IXL” Waste.....	
If with Vent on Trap, add.....	
Price, Lavatory only, less all Fittings	
Approximate Shipping Weight.....pounds	

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back, Combined Overflow and Soap Cup, Concealed Wall Hanger, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1¼-inch Nickel-plated Plain “P” Trap and Nickel-plated Escutcheons.

Slab 16x20 inches	Basin 10x14 inches
Back 10 inches	
Slab 18x24 inches	Basin 11x15 inches
Back 10 inches	
Slab 20x24 inches	Basin 11x15 inches
Back 10 inches	
Slab 22x28 inches	Basin 13x17 inches
Back 12 inches	

16x20	18x24	20x24	22x28
13.50	15.00	15.50	21.75
19.75	21.00	22.00	25.50
.75	.75	.75	.75
9.50	11.00	12.00	16.50
115	130	140	175

Rumsey's Porcelain Enameled Iron Lavatory with Integral Back, Combined Overflow and Soap Dish, Concealed Wall Hanger, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1¼-inch Nickel-plated Vented “P” Trap and Nickel-plated Escutcheons.

Slab 16x19 inches	Basin 10x14 inches
Back 6 inches	
Slab 18x21 inches	Basin 11x15 inches
Back 8 inches	



Plate 234-H

Sizes.....	
Price, as described	
“ “ “ with “IXL” Waste	
“ Lavatory only, less all Fittings.....	
Approximate Shipping Weight	

16x19	18x21
12.00	13.25
16.75	18.00
6.50	7.25
75	100

ENAMELED IRON LAVATORIES



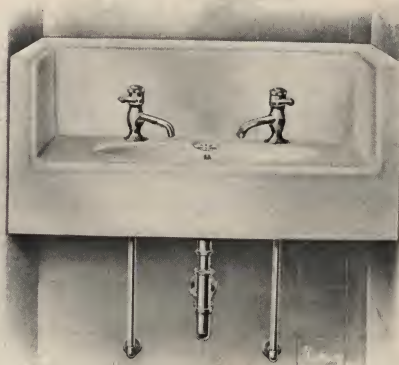
Rumsey's Porcelain Enameled Cast Iron Recess Lavatory with Integral Back and Ends and 5-inch Apron, supported on Concealed Hangers, fitted with No. 28 Nickel-plated Compression Faucets with Solid China Cross Handles, Nickel-plated Imperial Waste with China Knob, Nickel-plated Supply Pipes to Wall with China Indexed Stops, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

Slab 20 1/2 x 26 inches	Basin 12 x 15 inches
	Back 8 inches
Slab 21 x 31 inches	Basin 13 x 17 inches
	Back 8 inches

Plate 235-H

Sizes.....	20 1/2 x 26	21 x 31
Price, as described	29.50	34.50
"Lavatory only, without Fittings.....	24.00	29.00
If with Vented Trap, add.....	.75	.75
Approximate Shipping Weight..... pounds	175	190

Rumsey's Porcelain Enameled Cast Iron Recess Lavatory with Integral Back and Ends and 5-inch Apron, supported on Concealed Hangers, fitted with "Yesmur" Nickel-plated Self-Closing Faucets, Nickel-plated Supply Pipes to Wall, 1 1/4-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.



Slab 18 x 24 inches	Basin 12 x 15 inches
	Back 7 1/2 inches
Slab 20 1/2 x 26 inches	Basin 12 x 15 inches
	Back 8 inches
Slab 21 x 31 inches	Basin 13 x 17 inches
	Back 8 inches

Plate 236-H

Sizes.....	18x24	20 1/2 x 26	21x31
Price, as described	26.50	28.00	33.00
"Lavatory only, without Fittings.....	18.50	22.00	25.00
If with Vented Trap, add.....	.75	.75	.75
Approximate Shipping Weight..... pounds	150	170	185

ENAMELED IRON LAVATORIES



Plate 237-H

Rumsey's Porcelain Enameled Iron Lavatory for Right or Left-Hand Corner, Integral Back and Apron, Concealed Wall Hangers, No. 33 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "Imperial" Waste with China Index, 1¼-inch Nickel-plated Plain "P" Trap and Nickel-plated Escutcheons.

	Slab 18x24 inches	Basin 11x15 inches	Back 10 inches	
	Slab 20x24 inches	Basin 11x15 inches	Back 12 inches	
	Slab 22x27 inches	Basin 13x17 inches	Back 12 inches	
Sizes.....	18x24	20x24	22x27	
Price, as described .....	.....	31.25	39.25	
" " " with Patent Overflow instead of "Imperial"				
Waste.....	23.50	26.25	34.25	
" Lavatory only, less all Fittings.....	18.00	22.00	26.50	
Approximate Shipping Weight.....pounds	175	200	240	

The 18x24 inch size can be furnished only with Patent Overflow.

In ordering state whether for Right or Left-Hand Corner; unless specified lavatory for Right-Hand Corner, as shown, will be sent.

ENAMELED IRON LAVATORIES



Plate 238-H

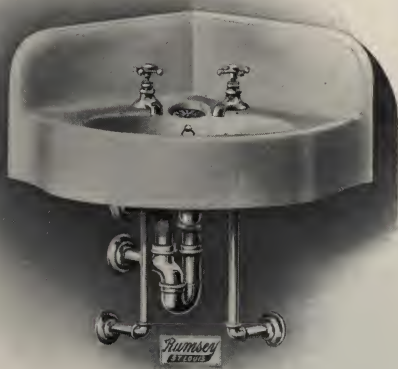
Rumsey's Porcelain Enameled Iron Lavatory for Right or Left-Hand Corner, Integral Back, Combined Overflow Strainer and Soap Cup, Concealed Wall Hangers, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1¼-inch Nickel-plated Vented "P" Trap and Nickel-plated Escutcheons.

Slab 16x20 inches	Basin 10x14 inches	Back 10 inches
Slab 18x24 inches	Basin 11x15 inches	Back 10 inches
Slab 20x24 inches	Basin 11x15 inches	Back 10 inches
Slab 22x27 inches	Basin 13x17 inches	Back 12 inches

Sizes.....	16x20	18x24	20x24	22x27
Price, as described, Enameled Inside.....	20.00	22.00	23.50	28.10
" " " " All Over.....	22.75	24.75	26.25	30.85
" Lavatory only, " Inside, less all Fittings	13.75	15.75	17.25	21.75
" " " " All Over, " " "	16.50	18.50	20.00	24.50
Approximate Shipping Weight.....pounds	125	155	165	200

When ordering state whether Lavatory is for Right or Left-Hand Corner; unless specified, Lavatory for Right-Hand Corner, as shown, will be sent.

ENAMELED IRON LAVATORIES



Rumsey's Porcelain Enameled Iron Corner Lavatory with Integral Back and Apron, Combined Overflow and Soap Dish, Concealed Wall Hangers, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, 1¼-inch Nickel-plated Vented "P" Trap and Nickel-plated Escutcheons.

Length on Sides	17½ inches
Basin 11x15 inches	Back 6 inches
Length on Sides	20 inches
Basin 11x15 inches	Back 8 inches
Length on Sides	20 inches
Basin 11x15 inches	Back 10 inches

Plate 239-H

Sizes.....	17½x17½x6	20x20x8	20x20x10
Price, as described.....	14.75	15.25	19.50
" Lavatory only, less all Fittings.....	10.00	10.75	13.50
Approximate Shipping Weight.....pounds	100	115	125

Rumsey's Porcelain Enameled Iron Corner Lavatory with Integral Back and Apron, Concealed Wall Hangers, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, Nickel-plated "Imperial" Waste with China Index, 1¼-inch Nickel-plated "P" Trap and Nickel-plated Escutcheons.



Plate 240-H

Sizes.....	17½x17½x6	20x20x8	20x20x10
Price, as described.....	18.50	19.00	23.00
If with Vent on Trap, add.....	.75	.75	.75
Price, Lavatory only, less all Fittings.....	10.00	10.75	13.50
Approximate Shipping Weight.....pounds	105	120	130

ENAMELED IRON LAVATORIES



Rumsey's Porcelain Enamelled Iron Corner Lavatory with Integral Back, Combined Overflow and Soap Cup, Concealed Wall Hangers, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Vented "P" Trap and Nickel-plated Escutcheons.

Length on Sides $17\frac{1}{2}$ inches
Basin 10x14 inches Back 6 inches

Length on Sides 20 inches
Basin 11x15 inches Back 8 inches

Length on Sides 20 inches
Basin 11x15 inches Back 10 inches

Plate 241-H

Sizes.....	$17\frac{1}{2} \times 17\frac{1}{2} \times 6$	20x20x8	20x20x10
Price, as described.....	12.00	14.25	17.50
" Lavatory only, less all Fittings.....	7.00	8.25	10.50
Approximate Shipping Weight..... pounds	100	125	185

Rumsey's Porcelain Enamelled Iron Corner Lavatory with Integral Back, Patent Overflow, Concealed Wall Hangers, No. 27 Nickel-plated Compression Faucets with China Indexed Handles, Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Vented "P" Trap and Nickel-plated Escutcheons.

Length on Sides 15 inches
Basin 12 inches Back 4 inches



Plate 242-H

Price, as described.....	10.75
" Lavatory only, less all Fittings.....	5.00
Approximate Shipping Weight..... pounds	70

ENAMELED IRON LAVATORIES

IN BATTERIES

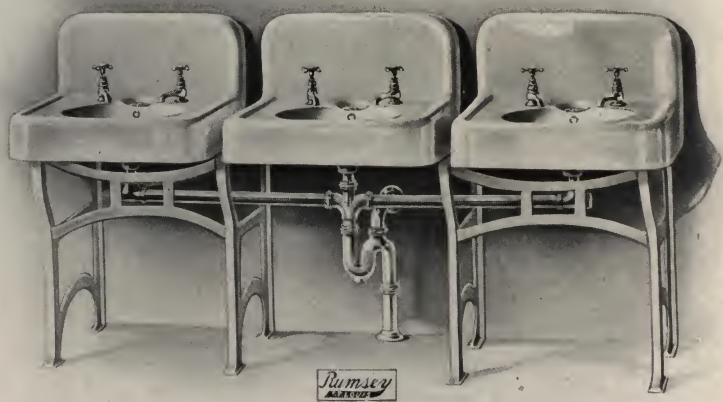


Plate 243-H

Rumsey's Porcelain Enameled Iron Three-Section Lavatory with Integral Backs and Aprons. Combined Overflow Strainer and Soap Dish, supported on Cast Iron Floor Brackets, No. 33 Nickel-plated Compression Faucets with China Indexes, 1½-inch Nickel-plated Continuous Waste with Vented "S" Trap and Nickel-plated Escutcheons.

Slabs 20x24 inches	Basins 11x15 inches	Backs 10 inches
Slabs 22x28 inches	Basins 13x17 inches	Backs 12 inches

Size	20x24	22x28
Price, Three-Section Lavatory, as described.....	85.00	105.00
“ each additional Lavatory, as described.....	26.25	33.00
“ Three-Section Lavatory, as described, but with “IXL” Waste.....	99.25	119.25
“ each additional Lavatory, as described, but with “IXL” Waste.....	31.00	37.75
“ Three-Section Lavatory, less all Fittings.....	52.50	69.00
“ each additional Lavatory, less all Fittings	17.50	23.00

ENAMELED IRON LAVATORIES

IN BATTERIES

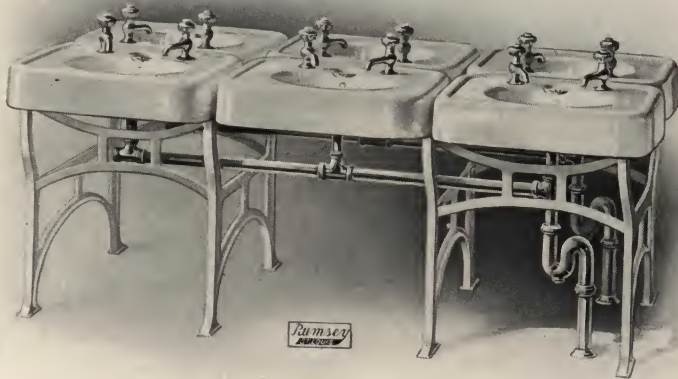


Plate 244-H

Rumsey's Porcelain Enamelled Three Double-Section Iron Lavatory with Apron, Combined Overflow Strainer and Soap Dish, supported on Cast Iron Frame, Dome Handle Self-Closing Faucets, 1½-inch Nickel-plated Continuous Wastes with Plain "S" Traps and Nickel-plated Escutcheons.

Slabs 20x24 inches	Basins 11x15 inches *
Slabs 22x28 inches	Basins 13x17 inches

Sizes.....	20x24	22x28
Price, Three Double-Section Lavatory, as described	176.75	197.75
" each additional Double Section, " " 	57.00	63.75
" Three Double-Section Lavatory, less Faucets, Waste and Traps.....	96.00	112.50
" each additional Double Section, less Faucets, Waste and Trap.	32.00	37.50

ENAMELED IRON LAVATORIES

SECTIONAL

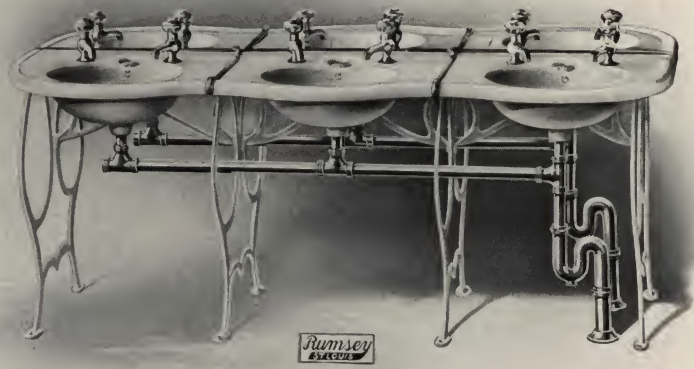


Plate 245-H

Rumsey's Porcelain Enameled Three Double-Section Iron Lavatory with Combined Overflow Strainer and Soap Dish, supported on Cast Iron Frame, Nickel-plated Dome Handle Self-Closing Faucets, 1½-inch Nickel-plated Continuous Wastes with Plain "S" Traps and Nickel-plated Escutcheons.

Slabs 18x24 inches Basins 11x15 inches

Price, as described.....	126.00
" each additional Double Section, as described.....	39.00
" Three Double-Section Lavatory, less Faucets, Waste and Trap	72.00
" each additional Double Section, " " " " " 	24.00

ENAMELED IRON LAVATORIES

SECTIONAL

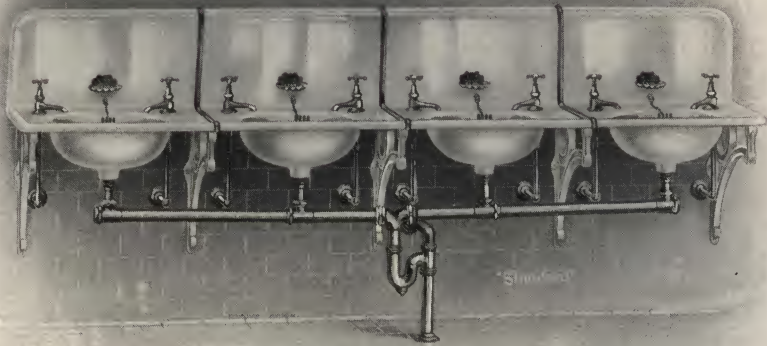


Plate 246-H

Enameled Iron Four-Section Lavatory, with Slab, Oval Basin, Overflow and Back of Each Section in one piece, Painted Brackets and Concealed Hangers, Nickel-plated Union Strips, Nickel-plated Compression Faucets with Four-Ball Handles with China Index, $\frac{1}{2}$ -inch Nickel-plated Supply Pipes, Continuous Waste and $1\frac{1}{2}$ -inch "S" Trap with Vent, Waste Plugs with Rubber Stoppers, Couplings, Soap Cups, Chain Stays and Chains.

Slabs 16x20 inches	Basins 11x14 inches	Backs 12 inches
Slabs 18x24 inches	Basins 12x15 inches	Backs 12 inches
Slabs 20x24 inches	Basins 12x15 inches	Backs 12 inches
Slabs 22x27 inches	Basins 12x15 inches	Backs 12 inches

Sizes	16x20	18x24	20x24	22x27
Price, as described, Enameled Exterior.....	86.00	92.00	96.00	114.00
“ without Fittings, “	40.00	46.00	50.00	68.00
If Enameled All Over, add.....	10.00	11.00	12.00	14.00
Add for each additional Section, as described, Enameled Exterior.....	21.50	23.00	24.00	28.50
“ for each additional Section, without Fittings, Enameled Exterior.....	10.00	11.50	12.50	17.00
If Enameled All Over, add for each additional Section	2.50	2.75	3.00	3.50

Can be furnished with either Right or Left-Hand End Section with Integral End Piece.

ENAMELED IRON LAVATORIES

SECTIONAL

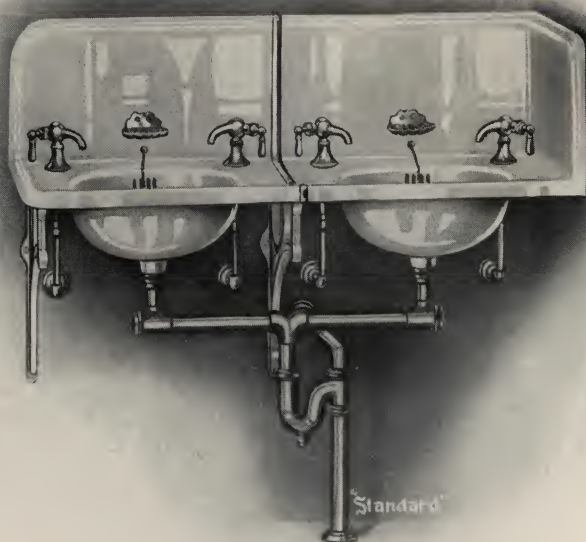


Plate 247-H

Section of Two Enameled Iron Lavatories, each Lavatory with Slab, Oval Basin with Center Outlet, Overflow and Back of each Section all in one piece, Integral Right-Hand End Piece, Nickel-plated Union Strip, Painted Wall Brackets, Concealed Wall Hangers, Nickel-plated Fuller Faucets with China Handles and China Indexes, $\frac{3}{8}$ -inch Nickel-plated Supply Pipes to Wall, $1\frac{1}{4}$ -inch Nickel-plated Continuous Waste with $1\frac{1}{4}$ -inch Vented "S" Trap, Rubber Plug, Chain and Chain Stays and Soap Dishes.

	Slabs 16x20 inches	Basins 11x14 inches	Backs 12 inches		
	Slabs 18x24 inches	Basins 12x15 inches	Backs 12 inches		
	Slabs 20x24 inches	Basins 12x15 inches	Backs 12 inches		
	Slabs 22x27 inches	Basins 12x15 inches	Backs 12 inches		
Sizes.....	16x20	18x24	20x24	22x27	
Price, as described, Enameled Exterior.....	54.00	57.00	59.50	69.00	
" without Fittings, Enameled Exterior.....	24.00	27.00	29.50	39.00	
If Enameled All Over, add.....	5.00	5.50	6.00	7.00	
Add for each additional Section, as described, Enameled Exterior.....	25.00	26.50	27.50	32.00	
" for each additional Section, without Fittings, Enameled Exterior.....	10.00	11.50	12.50	17.00	
If Enameled All Over, add for each Section.....	2.50	2.75	3.00	3.50	

Also furnished with Left-Hand End Piece at same price.

VITREOUS CHINA DRINKING FOUNTAINS

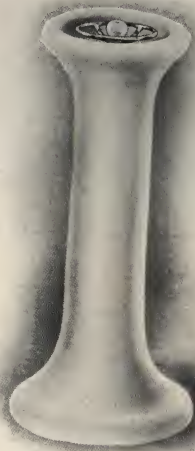


Plate 300-H

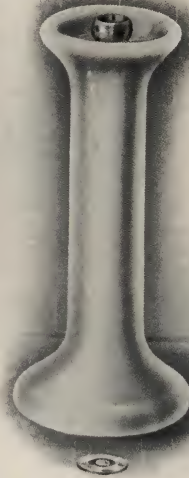


Plate 301-H

PLATE 300-H

Vitreous China Pedestal Drinking Fountain with Nickel-plated Brass Self-Closing Ring, Vitreous China Bubbling Cup and Supply and Waste Fittings inside of Pedestal.

Height, 30 inches.

Diameter of Base, 15 inches.

Diameter of Bowl, 10½ inches.

Price, as described.....	33.00
" without Fittings	18.00

PLATE 301-H

Vitreous China Pedestal Drinking Fountain with Nickel-plated Brass Bubbling Cup and Supply and Waste Fittings inside of Pedestal, and Pedal Valve.

Height, 30 inches.

Diameter of Base, 15 inches.

Diameter of Bowl, 10½ inches.

Price, as described.....	50.00
" without Fittings	18.00

May also be furnished with Vitreous China Bubbling Cup.

The laws passed recently by various state legislatures makes it quite obvious the necessity of abolishing the drinking cup. These fountains are especially adapted for use in schools, factories and public institutions, where germs are passed from one person to another by use of the antiquated drinking vessel. By use of the bubbling cups the user is compelled to drink from the stream without bringing the lips in contact with the cup.

PORCELAIN DRINKING FOUNTAINS

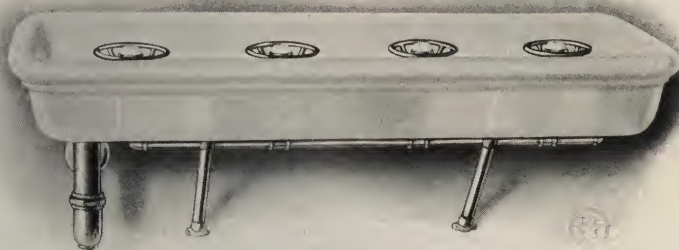


Plate 302-H

Porcelain Roll Rim Drinking Fountain on Nickel-plated Brass Wall Brackets, fitted with Four Nickel-plated Brass Self-Closing Bubbling Cups with China Tips, $\frac{3}{8}$ -inch Supply Pipe with Loose Key Stops, Nickel-plated Brass Outlet Strainer with Trap to Wall.

Length Over All, 54 inches.	Front to Back, 18 inches.	Depth Inside, 5 inches.	
Price, as described, Class A			82.10
" " " " B			67.10
" Trough only, " A			50.00
" " " " B			35.00
" Bubbling Cups, each			5.40
" Supply Pipe and Stop,			3.00
" Strainer and Trap, each			3.50
" N. P. Wall Brackets only, per pair			4.00



Porcelain Drinking Fountain Bowl on Bronzed Iron Pedestal, fitted with Nickel-plated Brass Self-Closing Bubbling Cup, Nickel-plated Brass Supply Pipe running through Pedestal with Loose Key Valve, Waste Pipe and Nickel-plated Coupling below Pedestal.

Outside Diameter of Bowl, 13 inches.

Inside Diameter of Bowl, 10 inches.

Depth Inside, $3\frac{1}{4}$ inches. Total Height, 31 inches.

Price, as described, Class A	35.00
" " " " B	32.00
" Bowl only, " A	10.00
" " " " B	7.00
" Pedestal only	4.00
" Fittings only	21.00

Plate 303-H

VITREOUS CHINA DRINKING FOUNTAINS



Plate 304-H

Vitreous China Drinking Fountain on Galvanized Iron Standard, fitted with Nickel-plated Continuous Flow Jet.

Height, 30½ inches. Diameter of Bowl, 13½ inches.

Diameter of Base, 14 inches.

Price, as described 36.00

This Fountain may also be fitted with Faucet which operates at side.

Add for Self-Closing Faucet at Side 4.00

Vitreous China Round Drinking Fountain with Integral Back, Vitreous China Bubbling Cup, Concealed Hangers, Nickel-plated Supply Pipe with Loose Key Stop and Enameled Iron Trap.

Diameter of Bowl, 13 inches.

Wall to Front, 15 inches.

Height on Wall, 9½ inches.

Price, as described 28.50

" without Trap and Supply Pipes ... 12.50



Plate 305-H

VITREOUS CHINA DRINKING FOUNTAINS



Plate 306-H



Plate 307-H

PLATE 306-H

Vitreous China Drinking Fountain with Integral Back and Integral Trap to Wall, Concealed Iron Angle Brackets, Nickel-plated Brass Self-Closing Ring Spout with China Tip, Nickel-plated Supply Pipe with Loose Key Stop and Nickel-plated Flange Strainer.

Width, 18 inches. Front to Back, 14 inches. Inside, 11x15 inches.
Depth, 2¾ inches. Back, 10 inches.

Price, as described	50.05
“ Fountain only	40.00

PLATE 307-H

Vitreous China Drinking Fountain with Integral Back and Integral Trap to Wall, Concealed Iron Angle Brackets, Nickel-plated Brass Self-Regulating and Self-Closing Bubbling Device with China Cup, Nickel-plated Supply Pipe to Wall with Loose Key Stop and Nickel-plated Self-Closing Cock with China Index.

Width, 18 inches. Front to Back, 14 inches. Inside, 11x15 inches.
Depth, 2¾ inches. Back, 10 inches.

Price, as described	53.35
“ Fountain only	40.00

These Fountains are made according to U. S. Government specifications.

VITREOUS CHINA DRINKING FOUNTAINS



Plate 308-H



Plate 309-H

PLATE 308-H

Vitreous China Drinking Fountain with Integral Trap, Nickel-plated Self-Closing Bubbling Device with China Index Push Button, Nickel-plated Supply Pipe with Loose Key Stop, Nickel-plated Flange Strainer and Rough Brass Outlet Connection threaded for 1½-inch Iron Pipe, Male, with Bolts and Gasket.

Bowl, 13½x13½ inches Outside.

Depth of Bowl, 3½ inches.

Diameter of China Ring, 6 inches.

Price, as described.....	26.50
" Fountain only.....	16.00

Furnished with Nickel-plated Brass or Vitreous China Cup at same price.

PLATE 309-H

Vitreous China Drinking Fountain with Integral Back, Concealed Hangers, Vitreous China Bubbling Cup with Self-Closing Operating Ring, Nickel-plated Combination Supply and Waste Trap to Wall with Loose Key Stop and Nickel-plated Flange Strainer.

Length, 18 inches.

Back to Front, 14 inches.

Rim to Bottom, 5½ inches.

Back, 6 inches.

Price, as described.....	34.65
" Fountain only.....	20.00

ENAMELED IRON DRINKING FOUNTAINS



Plate 310-H



Plate 311-H

PLATE 310-H

Rumsey's Porcelain Enameled Iron Pedestal Drinking Fountain with Nickel-plated Bubbling Cup with Self-Closing Valve, Concealed Galvanized Supply and Waste Pipes.

Height, 30 inches. Diameter of Bowl, 13½ inches.

Price, as described 30.00

PLATE 311-H

Rumsey's Porcelain Enameled Iron Pedestal Drinking Fountain with Nickel-plated Bubbler, Nickel-plated Self-Closing Valve, Concealed Galvanized Supply and Waste Pipes and Regulating Valve.

Diameter of Bowl, 13½ inches.

Height	30	36	42
Price, as described	42.00	45.00	50.00
“ without Self-Closing Valve	38.00	41.00	46.00
“ with Self-Closing Pedal Valve and Floor Plate (not illustrated)	48.00	51.00	56.00

ENAMELED IRON DRINKING FOUNTAINS

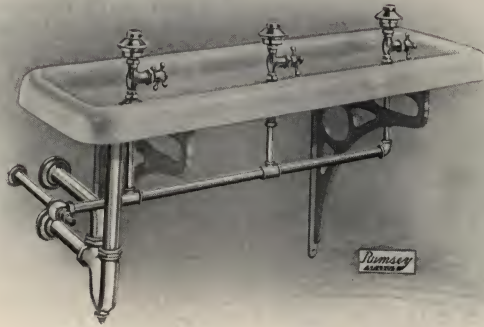


Plate 312-H

Rumsey's Porcelain Enameled Iron Drinking Fountain on Enameled Iron Brackets with Nickel-plated Self-Closing Bubblers, Strainer and Coupling, $\frac{1}{2}$ -inch Iron Pipe Size Nickel-plated Brass Supply Pipe with Loose Key Stop and $\frac{1}{4}$ -inch Nickel-plated Vented "P" Trap.

	Width of Trough, 15 inches.	Depth, 3 inches.		
Length.....	inches	30	42	56
Number of Bubbling Cups.....		2	3	4
Price, as described		48.00	61.00	77.00

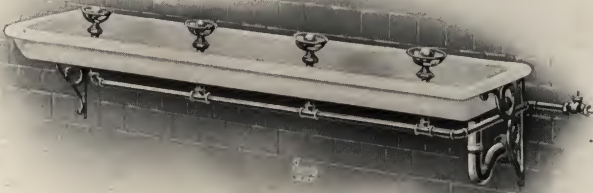


Plate 313-H

Rumsey's Porcelain Enameled Iron Roll Rim Drinking Fountain on Painted Iron Brackets with Nickel-plated Bubbling Cups with Self-Closing Operating Ring, Nickel-plated Supply Pipe with Loose Key Stop, Nickel-plated Strainer and Nickel-plated Plain "P" Trap.

	Width of Trough, 12 inches.			
Length.....	inches	30	42	54
Number of Bubbling Cups.....		2	3	4
Price, as described		30.00	40.00	50.00
If without Supply Pipe and Stop, deduct.....		3.00	4.00	5.00

DRINKING FOUNTAINS



Plate 314-H

Iron Pedestal Drinking Fountain and Dog Trough with Enameled Iron Bowl, Nickel-plated Bubbler, Regulating Valve with Loose Key, 3/8-inch Concealed Galvanized Supply Pipe and 2-inch Galvanized Waste Pipe.

Diameter of Bowl, 13 1/2 inches. Height, 33 inches.

Price, as described, with Enameled Bowl and Galvanized Pedestal.....	35.00
“ with Bowl and Trough Enameled All Over	40.00

This is an ideal fountain for street corners and public places.



Plate 315-H



Plate 316-H

PLATE 315-H
Enameled Iron Drinking Fountain with Integral Back, Concealed Wall Bracket, Nickel-plated Bubbler, Combination Supply and Waste Fitting, Self-Closing Valve, with Loose Key Regulator, 3/8-inch Iron Pipe Size Nickel-plated Supply Pipe and 1 1/4-inch Nickel-plated “P” Trap.

Outside Diam. of Bowl, 13 in. Wall to Front of Bowl, 14 in. Height on Wall, 7 in.	
Price, as described, with Self-Closing Valve	33.00
“ without Self-Closing Valve.....	28.00

PLATE 316-H
Rumsey's Cast Iron Wall Drinking Fountain with Bowl Enameled Inside and Outside, Enameled Brackets, Nickel-plated Bubbler, 3/8-inch Iron Pipe Size Nickel-plated Supply Pipe with Self-Closing Stop and Regulating Valves, and 1 1/4-inch Nickel-plated Trap to Wall.

Outside Diam. of Bowl, 8 in. Wall to Center of Bowl, 8 in. Wall to Front of Bowl, 12 in.	
Price, as described	29.00

RUMSEY'S BUBBLING DRINKING FOUNTAINS WITH SELF-CLOSING PUSH BUTTON

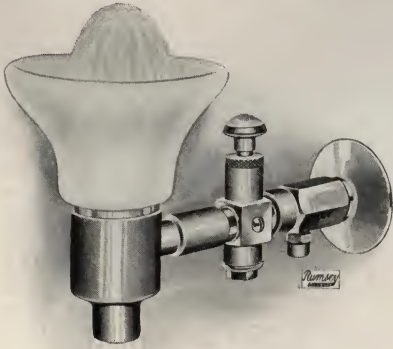


Plate 317-H



Plate 318-H

- Plate 317-H—Measuring $6\frac{1}{8}$ inches from Center of Bubble to End of Shank;
Shank threaded $\frac{3}{8}$ -inch Iron Pipe Female. Price, each..... 7.00
- Plate 318-H—Measuring $3\frac{7}{8}$ inches from Center of Bubble to End of Shank;
Shank threaded $\frac{1}{2}$ -inch Iron Pipe Female. Price, each..... 6.50

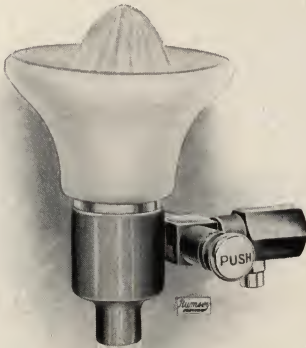


Plate 319-H

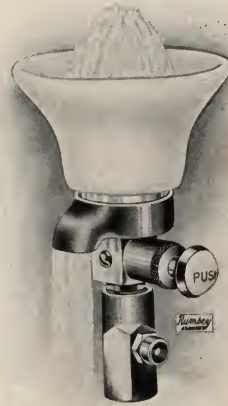


Plate 320-H

- Plate 319-H—Measuring $3\frac{7}{8}$ inches from Center of Bubble to End of Shank;
Shank threaded $\frac{1}{2}$ -inch Iron Pipe Female. Price, each..... 5.00
- Plate 320-H—Measuring $5\frac{3}{4}$ inches from Top of Catch Basin to End of Shank;
Shank threaded $\frac{1}{2}$ -inch Iron Pipe Female. Price, each..... 5.00

These Fountains can be furnished with Metal Basin instead of Porcelain, at same price. Porcelain Basins will be sent, unless otherwise ordered.

ENAMELED IRON DRINKING FOUNTAINS

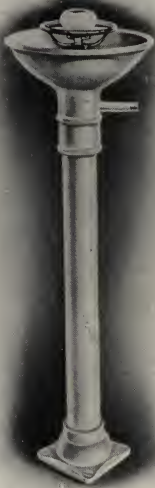


Plate 321-H

Enameled Iron Pedestal Drinking Fountain, Bowl Enameled All Over, Iron Pipe Standard Painted White, and Nickel-plated Brass Self-Closing Operating Ring, with Vitreous China Cup, $\frac{3}{8}$ -inch Supply Pipe to Wail and $1\frac{1}{4}$ -inch Galvanized Waste Concealed in Standard.

Height Over All, 30 inches. Depth, 3 inches.

Diameter of Bowl, 10 inches.

Price, as described.....	13.00
If with Vitreous China Combination Operating Ring and Nozzle, add.....	1.00
If with a Larger Standard and Concealed Supply and Waste, add.....	2.00

This Fountain can also be furnished with Supply Nozzle and any style Cup and no Self-Closing Bubbling Head.

Nickel-plated Brass Drinking Fountain with Lever Handle Self-Closing Regulating Valve, with Male Thread for $\frac{1}{2}$ -inch Iron Pipe, Nickel-plated Spun Brass Receptor, Vitreous China Cup and Adjustable Nickel-plated Brass Trap.

Price, as described.....	8.25
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This Fountain can be furnished with any other style cup.



Plate 322-H

ENAMELED IRON DRINKING FOUNTAINS

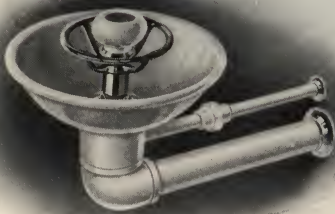


Plate 323-H

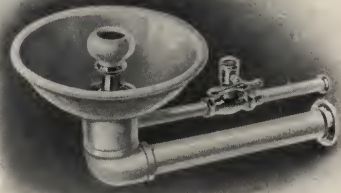


Plate 324-H

PLATE 323-H

Enameled Iron Wall Drinking Fountain, Bowl Enameled All Over with Nickel-plated Brass Self-Closing Operating Ring, Vitreous China Cup, $\frac{3}{8}$ -inch Galvanized Supply Pipe with Union and $1\frac{1}{4}$ -inch Galvanized Waste Pipe to Wall.

Diameter of Bowl, 10 inches.

Depth, 3 inches.

Price, as described.....	12.00
If with Vitreous China Combination Operating Ring and Nozzle, add	1.00

PLATE 324-H

Enameled Iron Wall Drinking Fountain, Bowl Enameled All Over, with Vitreous China Bubbling Cup, $\frac{3}{8}$ -inch Nickel-plated Supply Pipe, with Self-Closing Regulating Stop and Union and $1\frac{1}{4}$ -inch Galvanized Iron Waste Pipe to Wall.

Diameter of Bowl, 10 inches.

Depth, 3 inches.

Price, as described.....	12.00
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**BUBBLING CUPS
FOR LAVATORIES**

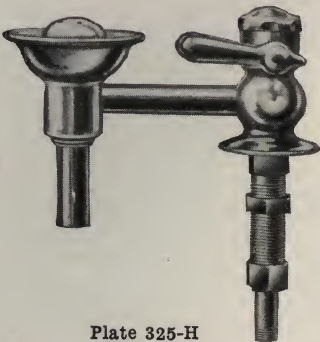


Plate 325-H

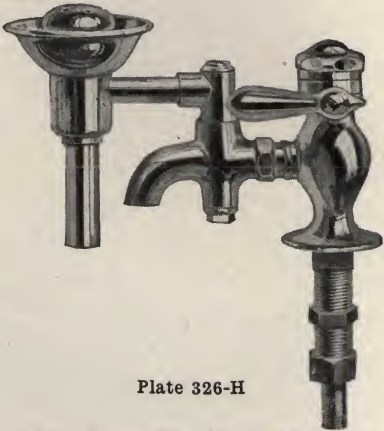


Plate 326-H

Plate 325-H—Nickel-plated Brass Bubbling Cup with Lever Handle Self-Closing Regulating Valve, China Nozzle, Overflow Cup and Drain Tube. Price, each..... 5.00

This is designed to replace the ordinary basin cock and can be attached to a basin cock connection anywhere.

Plate 326-H—Nickel-plated Brass Combination Bubbling Cup and Basin Cock with Lever Handle Self-Closing Valve, Swinging Bubbling Cup with Concealed Regulating Screw, China Nozzle, Overflow Cup and Drain Tube. Price, each..... 6.75

If with Bent Tube and Nozzle only, deduct..... .50

When the supply to the bubbling cup is central with the basin cock spout, the water passes through the bubbling cup only, and when the bubbling cup supply tube is swung to the left at right angles to the spout, the water passes through the spout only.

FOR WALL FOUNTAINS AND SINKS

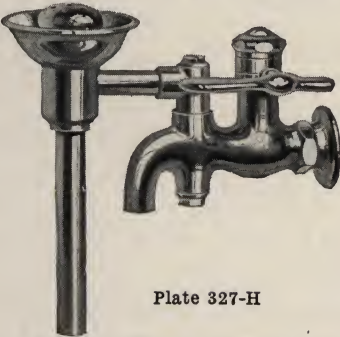


Plate 327-H

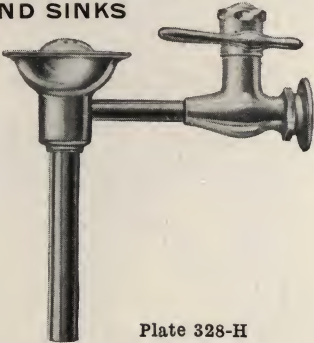


Plate 328-H

Plate 327-H—Nickel-plated Brass Combination Bubbling Cup and Bibb with Lever Handle Self-Closing Valve, Swinging Bubbling Cup with Concealed Regulating Screw, China Nozzle, Overflow Cup and Drain Tube. Price, each 6.75

If without Overflow Cup and Tube and with Bent Tube and Nozzle only, deduct50

Plate 328-H—Nickel-plated Brass Bubbling Cup, with Lever Handle Self-Closing Regulating Valve with 1/2-inch Iron Pipe Female Thread, China Nozzle, Overflow Cup and Drain Tube. Price, each..... 4.50

RUMSEY'S SOLID PORCELAIN BATHS

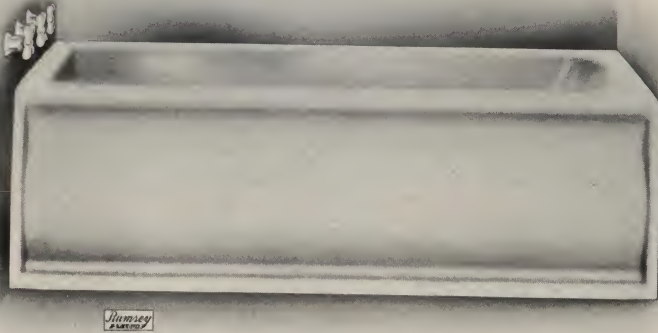


Plate 400-H

Rumsey's Solid Porcelain Recess Bath, to tile in Recess Both Ends and Back, Glazed White Inside and Outside, Concealed Supply Fitting with Compression Supply Valves with Solid China Four-Arm Handles and China Escutcheons, and China Low Bell; Concealed Waste with Horizontal Outlet.

Can be furnished with Waste through either Right or Left-Hand End or Center of Bottom.

DIMENSIONS

Width Outside, 31 inches.

Depth Inside, 19 inches.

Height Outside, 21½ inches.

Length	feet	5	5½	6
Price, Complete, as described, Class A.....		206.00	217.50	246.50
" " " " " B.....		150.00	160.00	183.75
Approximate Shipping Weight, Boxed.....	pounds	1100	1150	1200

NOTE.—Concealed Fixtures should be installed in a panel so as to be accessible.

Unless specially ordered we will ship with Fixtures on Left End, as shown. Fixtures can also be furnished with High Bell or Top Nozzle.

RUMSEY'S SOLID PORCELAIN BATHS

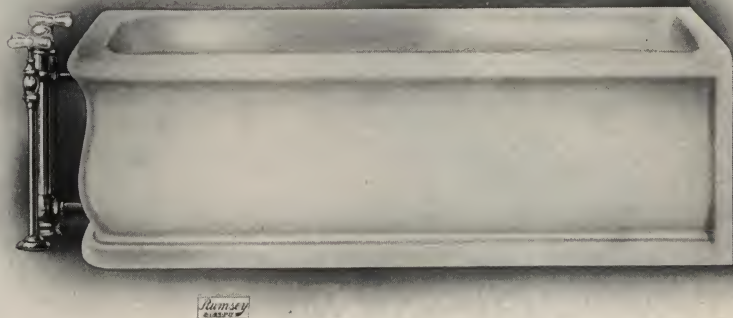


Plate 401-H

Rumsey's Solid Porcelain Bath to tile in Right-Hand Corner, Glazed White Inside and Outside, Nickel-plated Top Bell Supply Fitting with Compression Valves with China Cross Handles, 3/4-inch Iron Pipe Size Seamless Brass Supply Pipes and "Imperial" Bath Waste, Polished and Nickel-plated All Over.

This Fixture can be furnished with Fuller Valves instead of Compression.

DIMENSIONS

Width Outside, 31 inches. Depth Inside, 19 inches.
Height from Floor, 21½ inches.

Length.....feet	5	5½	6
Price, Complete, as described, Class A.....	200.00	211.00	240.00
" " " " " B.....	146.00	159.00	181.50
Approximate Shipping Weight, Boxed.....pounds	1100	1150	1200

Specify Right or Left-Hand Corner when ordering. Unless specified in order, Right-Hand Corner, as shown, will be furnished.

RUMSEY'S ENAMELED IRON BATHS

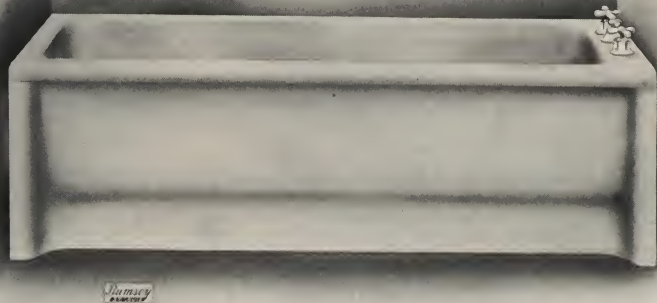


Plate 403-H

Rumsey's Porcelain Enameled Iron Recess Bath with Enameled Iron Front Shield, Nickel-plated Compression Low Bell Supply and Waste Fittings through the Rim with Indexed All China Handles and China Waste Knob.

This Fixture can be rewashed from Top of Rim without disturbing the Tub.

DIMENSIONS

Width over Rim, 30 inches. Width Inside, 24 inches.
Depth Inside, 17 inches.

Size of Tub.....feet	4½	5	5½
Length over Rim.....inches	57	62	69
Price, as described.....	109.50	115.50	121.50
“ with Enameled Shield, less Fittings.....	72.00	77.00	82.00
“ “ Painted “ “ “.....	59.00	64.00	69.00
Approximate Shipping Weight.....pounds	625	650	675

When ordering, state if Fitting is to be at Right or Left-Hand End of Tub. Unless specified, Tub with Fixture at Right-Hand, as shown, will be sent.

RUMSEY'S ENAMELED IRON BATHS

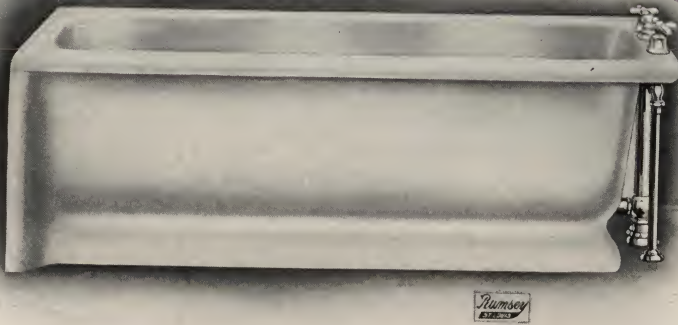


Plate 404-H

Rumsey's Porcelain Enameled Iron Corner Bath Tub with $3\frac{1}{2}$ -inch Roll Rim on Front, 5-inch Roll Rim at Fitting End, $2\frac{1}{2}$ -inch Flat Rim at Wall and Enameled Iron Shield for Front and End, Nickel-plated Compression Low Bell Supply and Waste Fitting through Rim, with All China Cross Handles and China Waste Knob Indexed, $\frac{1}{2}$ -inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Cast Brass Escutcheons.

DIMENSIONS

Width over Rim, 30 inches.

Height from Floor to Top of Rim, 20 inches.

Width Inside, 24 inches.

Depth Inside, 17 inches.

Nominal Size	feet	$4\frac{1}{2}$	5	$5\frac{1}{2}$
Length over Rim.....	inches	57	63	69
Price, as described		118.75	125.00	131.50
" Tub only, no Fittings, no Finish		59.00	64.00	69.00
Approximate Shipping Weight.....	pounds	775	800	825

When ordering, state if Tub is for Right or Left-Hand Corner. Unless so specified, Tub for Left-Hand Corner, as illustrated, will be sent.

RUMSEY'S ENAMELED IRON BATHS



Plate 405-H

Rumsey's Porcelain Enameled Iron Corner Bath Tub, with Enameled Iron Shield for Front and End, 3½-inch Roll Rim on Front and One End, 2½-inch Flat Rim at Wall, Nickel-plated Compression Top Supply and Waste Fitting with All China Cross Handles and China Waste Knob Indexed, ½-inch I. P. Size Seamless Brass Nickel-plated Supply Pipes, Nickel-plated Cast Brass Escutcheons and Nickel-plated Shampoo Attachment. (Hose and Rose Spray not included.)

DIMENSIONS

Width over Rim, 30 inches. Width Inside, 24 inches.
Height from Floor to Top of Rim, 20 inches. Depth Inside, 17 inches.

Nominal Size.....feet	4½	5	5½
Length over Rim, not including Fitting.....inches	55½	61½	67½
Price, as described	113.50	120.00	126.50
" Tub only, no Fittings	68.00	73.00	78.00
Approximate Shipping Weight, Boxed.....pounds	725	750	775

When ordering, state if Tub is for Right or Left-Hand Corner. Unless specified, Tub for Right-Hand Corner, as illustrated, will be sent.

Can be furnished with Low Bell Supply and Waste instead of Top Supply and Waste Fitting, at same price.

ENAMELED IRON BATHS

RECONA

FIVE-YEAR GUARANTEED

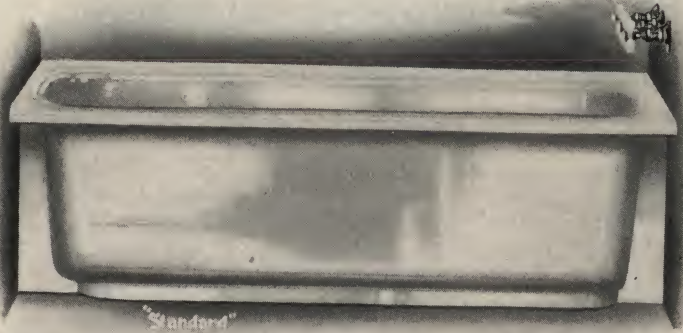


Plate 406-H

Enameled Iron Low Pattern Recess Bath on Base with 3-inch Roll Rim, Painted One Coat Exterior, Nickel-plated Combination Bottom Bell Supply and Waste Fitting at Right-Hand End with Concealed Compression Valves with China Cross Handles and Indexes and $\frac{1}{2}$ -inch Nickel-plated Supply Pipes.

DIMENSIONS

Width Over All, from Finished Wall Line, $28\frac{1}{2}$ inches. Depth Inside, 17 inches.
 Width of Roll Rim, 3 inches. To Tile in Wall $\frac{1}{2}$ inch.
 Height from Floor to Top of Rim, $17\frac{3}{4}$ inches.

Nominal Sizes	feet	$4\frac{1}{2}$	5	$5\frac{1}{2}$
Length Over All between Finished Wall Lines	inches	$52\frac{1}{4}$	$58\frac{1}{4}$	$64\frac{1}{4}$
Price, as described		54.50	59.50	64.50

If Enameled All Over, add 10.00
 " with No. 2 Zinc White Exterior Finish, add 7.00

These tubs are cast in one piece.

Also furnished with Waste at Left-Hand End.

ENAMELED IRON BATHS

CONRED

FIVE-YEAR GUARANTEED

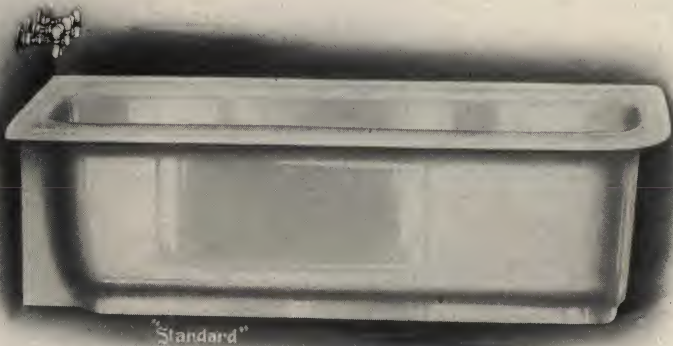


Plate 407-H

Enameled Iron Low Pattern Bath on Base, to tile in Left-Hand Corner, with 3-inch Roll Rim, Painted One Coat Exterior, Nickel-plated Combination Bottom Bell Supply and Waste Fitting with Concealed Compression Valves with China Cross Handles and Indexes and 1/2-inch Supply Pipes.

DIMENSIONS

Width Over All from Finished Wall Line, 28½ inches. Depth Inside, 17 inches.
Width of Roll Rim, 3 inches. To tile in Wall ½ inch.
Height from Floor to Top of Rim, 17¾ inches.

Nominal Sizes	feet	4½	5	5½
Length Over All from Finished Wall Line	inches	53¾	59¾	65¾
Price, as described		54.50	59.50	64.50

If Enameled All Over, add..... 13.00
" with No. 2 Zinc White Exterior Finish, add..... 9.00

These tubs are cast in one piece.
Also furnished to tile in Right-Hand Corner.

ENAMELED IRON BATHS**CONRED****FIVE-YEAR GUARANTEED**

Plate 408-H

Enameled Iron Low Pattern Bath on Base, to tile in Left-Hand Corner, with 3-inch Roll Rim, Painted One Coat Exterior, fitted with Nickel-plated Bottom Bell Supply and Waste Fitting with China Indexed Handles and $\frac{1}{2}$ -inch Supply Pipes.

DIMENSIONSWidth from Finished Wall Line, $28\frac{1}{2}$ inches.

Depth Inside, 17 inches.

Width of Roll Rim, 3 inches.

To tile in Wall $\frac{1}{2}$ inch.Height from Floor to Top of Rim, $17\frac{3}{4}$ inches.

Nominal Sizes.....	feet	$4\frac{1}{2}$	5	$5\frac{1}{2}$
Length from Finished Wall Line.....	inches	$53\frac{3}{4}$	$59\frac{3}{4}$	$65\frac{3}{4}$
Price, as described.....		50.00	55.00	60.00

These baths are cast in one piece.

If Enameled All Over, add.....	13.00
" with No. 2 Zinc White Exterior Finish, add	9.00
" with Fuller Combination Supply and Waste Fitting with China Handles, China Knob and $\frac{1}{2}$ -inch Supply Pipes, Plate 409-H, add.....	9.00

This Bath may also be furnished for tiling in Right-Hand Corner.

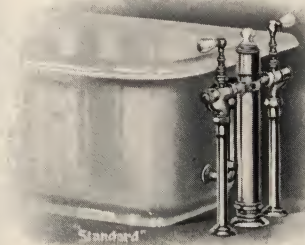


Plate 409-H

ENAMELED IRON BATHS

CONRED

FIVE-YEAR GUARANTEED

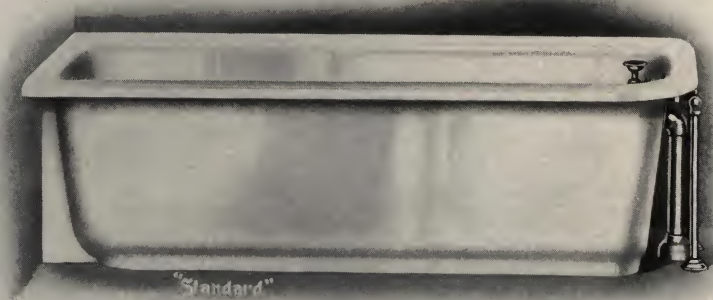


Plate 410-H

Enameled Iron Low Pattern Bath on Base, to tile in Left-Hand Corner with 3-inch Roll Rim, Painted One Coat Exterior, Nickel-plated Fuller Double Bath Cock with Nickel-plated Handles, 1/2-inch Nickel-plated Supply Pipes, 1 1/2-inch Connected Waste and Overflow with Chain and Rubber Stopper.

DIMENSIONS

Width Over All from Finished Wall Line, 28 1/2 inches. Depth Inside, 17 inches.
Width of Roll Rim, 3 inches. To tile in Wall, 1/2 inch.
Height from Floor to Top of Rim, 17 3/4 inches.

Nominal Sizes	feet	4 1/2	5	5 1/2
Length Over All from Finished Wall Line	inches	53 3/4	59 3/4	65 3/4
Price, as described		41.50	46.50	51.50

These baths are cast in one piece.

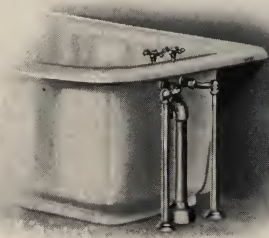


Plate 411-H

If Enameled All Over, add 13.00
" with No. 2 Zinc White Exterior Finish, add 9.00

Furnished with Compression Double Bath Cock with China Indexes, Supply Pipes and Connected Waste and Overflow, Plate 411-H, at same price.

Also furnished to tile in Right-Hand Corner.

RUMSEY'S ENAMELED IRON BATHS



Plate 413-H

Rumsey's Porcelain Enameled Iron Bath Tub on Base, End Outlet, with 4-inch Roll Rim and Extension End, No. 1 Zinc White Exterior Finish, Nickel-plated Compression Top Supply and Waste Fitting with Shampoo Attachment, All China Handles and China Waste Knob Indexed, 1/2-inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Cast Brass Escutcheons.

DIMENSIONS

Width over Rim, 33 inches. Width Inside, 25 inches.
Height from Floor to Top of Rim, 20 inches. Depth Inside, 17 inches.

Nominal Size	4½	5	5½	6
Length over Rim.....inches	54½	60½	66½	72
Price, as described, with No. 1 Finish.....	104.25	110.00	115.50	121.00
" " " " " 2 " 	99.25	105.00	110.50	116.00
" Tub only, no Fittings, no Finish	49.50	54.00	58.50	63.00
Approximate Shipping Weight, Boxed.....pounds	590	630	690	740
" " " " " Crated	490	530	590	640

RUMSEY'S MAMMOTH ENAMELED IRON BATHS

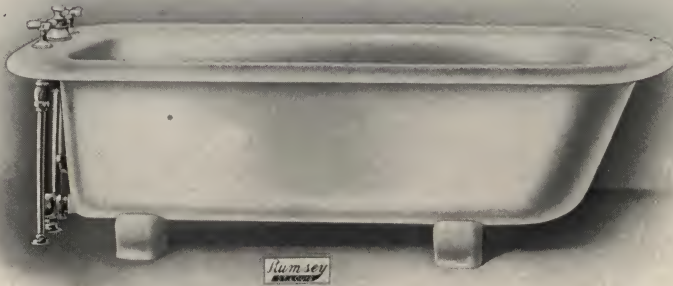


Plate 414-H

Rumsey's Porcelain Enameled Iron Bath Tub on Enameled Iron Block Feet, $3\frac{1}{2}$ -inch Roll Rim with Extension End, No. 1 Zinc White Exterior Finish, Nickel-plated Compression Low Bell Supply and Waste Fitting with All China Handles and China Waste Knob Indexed, $\frac{1}{2}$ -inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Cast Brass Escutcheons.

DIMENSIONS

Width over Rim, 34 inches.

Width Inside, 27 inches.

Height from Floor to Top of Rim, 22 inches.

Depth Inside, 19 inches.

This tub is 3 inches wider on the inside than the regular tub and is designed for the accommodation of large people.

Nominal Size	feet	$5\frac{1}{2}$	6
Length over Rim	inches	66	72
Price, as described, with No. 1 Finish		114.00	120.00
“ “ “ “ “ 2 “		109.00	115.00
“ Tub only, no Fittings, no Finish		52.50	57.00
Approximate Shipping Weight, Boxed	pounds	600	675
“ “ “ “ “ Crated	“	500	575
Price, as described, on Base with No. 1 Finish		122.00	128.00
“ “ “ “ “ 2 “		117.00	123.00
“ Tub only, no Fittings, no Finish		58.50	63.00
Approximate Shipping Weight, Boxed	pounds	650	725
“ “ “ “ “ Crated	“	550	625

RUMSEY'S ENAMELED IRON BATHS



Plate 415-H

Rumsey's Porcelain Enameled Iron Bath Tub, with 3-inch Roll Rim and Extension End, No. 1 Zinc White Exterior Finish, Nickel-plated Compression Low Bell Supply and Waste Fittings, with China Indexed Handles, China Indexed Waste Knob, $\frac{1}{2}$ -inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Cast Escutcheons.

DIMENSIONS

Width over Rim, 30 inches.

Height from Floor to Top of Rim, 22 inches.

Width Inside, 24 inches.

Depth Inside, 17 inches.

Nominal Size.....	feet	4½	5	5½	6
Length over Rim.....	inches	57	63	69	75½
Price, as described, with No. 1 Finish.....		80.50	80.50	87.00	93.50
“ “ “ “ “ 2 “		75.50	75.50	82.00	88.50
“ Tub only, no Fittings, no Finish		32.50	32.50	38.00	43.50
Approximate Shipping Weight, Boxed.....	pounds	400	450	500	590
“ “ “ Crated.....	“	330	350	375	475

RUMSEY'S ENAMELED IRON BATHS

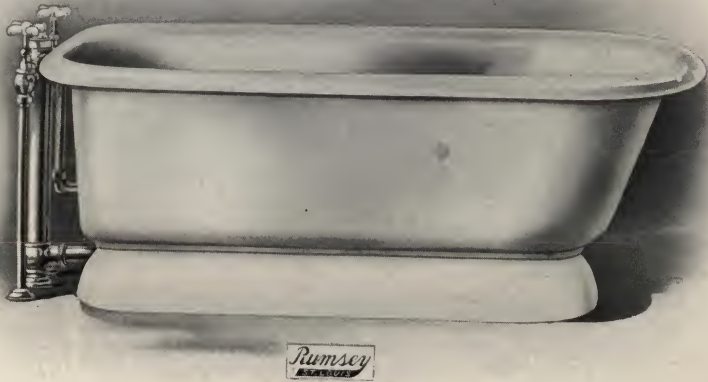


Plate 416-H

Rumsey's Porcelain Enameled Iron Flat Bottom Bath Tub on Base with 3-inch Roll Rim and No. 1 Zinc White Exterior Finish, Nickel-plated Compression Low Bell Supply and Waste Fitting with All China Handles and China Waste Knob Indexed, $\frac{1}{2}$ -inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Brass Escutcheons.

DIMENSIONS

Width over Rim, 30 inches.

Width Inside, 24 inches.

Height from Floor to Top of Rim, 22 inches.

Depth Inside, 17 inches.

Nominal Size.....feet	4½	5	5½
Length over Rim, not including Fittings.....inches	54	60	66
Price, as described, with No. 1 Finish.....	78.75	82.25	87.00
“ “ “ “ “ 2 “.....	73.75	77.25	82.00
“ Tub only, no Fittings, no Finish.....	34.00	37.00	40.75
Approximate Shipping Weight, Boxed.....pounds	400	425	475
“ “ “ Crated..... “	300	325	375

RUMSEY'S ENAMELED IRON BATHS



Plate 417-H

Rumsey's Porcelain Enameled Iron Flat Bottom Bath Tub with 3-inch Roll Rim, No. 1 Zinc White Exterior Finish, Nickel-plated Compression Low Bell Supply and Waste Fittings with All China Handles and China Waste Knob Indexed, 1/2-inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Brass Escutcheons.

DIMENSIONS

Width over Rim, 30 inches. Width Inside, 24 inches.
Height from Floor to Top of Rim, 22 inches. Depth Inside, 17 inches.

Nominal Size	feet	4	4½	5	5½	6
Length over Rim, not including Fittings.....	inches	48	54	60	66	72
Price, as described, with No. 1 Exterior Finish.....		63.00	63.00	66.50	70.75	75.75
“ “ “ “ “ 2 “ “		58.00	58.00	61.50	65.75	70.75
“ Tub only, no Fittings, no Finish		24.00	24.00	27.00	30.75	35.25
Approximate Shipping Weight, Boxed	pounds	390	400	425	480	525
“ “ “ Crated.....	“	285	300	325	375	425

RUMSEY'S ENAMELED IRON BATHS



Plate 418-H

Rumsey's Porcelain Enameled Iron Flat Bottom Bath Tub with 3-inch Roll Rim, No. 1 Zinc White Exterior Finish, No. 4½ Nickel-plated Fuller Double Bath Cock, ½-inch I. P. Size Seamless Brass Nickel-plated Supply Pipes to Floor, Nickel-plated "Imperial" Waste with China Index and Nickel-plated Escutcheons.

DIMENSIONS

Width over Rim, 30 inches.

Height from Floor to Top of Rim, 22 inches.

Depth Inside, 17 inches.

Nominal Size.....feet	4	4½	5	5½	6
Length over Rim.....inches	48	54	60	66	72
Price, as described, with No. 1 Finish.....	55.25	55.25	58.50	63.00	68.00
" " " " " 2 "	50.25	50.25	53.50	58.00	63.00
" Tub only, without Finish, less Fittings...	24.00	24.00	27.00	30.75	35.25
Approximate Shipping Weight, Boxed...pounds	390	400	425	480	525
" " " Crated... "	290	300	325	380	425

RUMSEY'S ENAMELED IRON BATHS

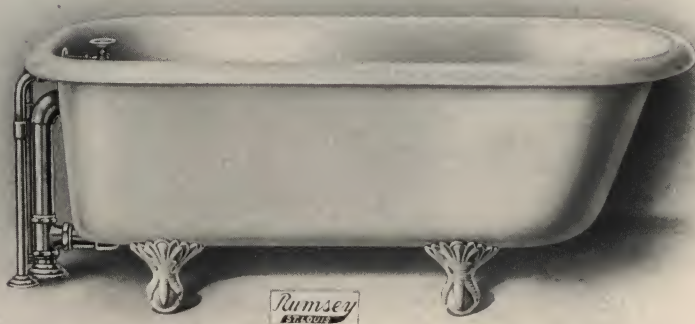


Plate 419-H

Rumsey's Porcelain Enameled Iron Flat Bottom Bath Tub, with 3-inch Roll Rim and No. 1 Zinc White Exterior Finish, No. 4½ Nickel-plated Fuller Combination Double Bath Cock, Nickel-plated Supply Pipes, Nickel-plated Connected Waste and Overflow with Cast Brass Hexagon Nuts, Cast Brass Strainer and Nickel-plated Escutcheons at Floor.

DIMENSIONS

Width over Rim, 30 inches.

Width Inside, 24 inches.

Height from Floor to Top of Rim, 22 inches.

Depth Inside, 17 inches.

Nominal Size	feet	4	4½	5	5½	6
Length over Rim	inches	48	54	60	66	72
Price, as described, with No. 1 Exterior Finish.....		50.50	50.50	53.75	58.25	63.25
" " " " " 2 " "		45.50	45.50	48.75	53.25	58.25
" Tub only, no Fittings, no Finish.....		24.00	24.00	27.00	30.75	35.25
Approximate Shipping Weight, Boxed.....	pounds	390	400	425	480	525
" " " Crated	"	285	300	325	375	425

RUMSEY'S ENAMELED IRON BATHS

TWO-YEAR GUARANTEED



Plate 420-H

Rumsey's Two-Year Guarantee Porcelain Enameled Iron Bath Tub on Base with 3-inch Roll Rim and No. 1 Zinc White Exterior Finish, Nickel-plated Compression Combination Low Bell Supply and Waste Fitting with All China Cross Handles and China Waste Knob Indexed, $\frac{1}{2}$ -inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Escutcheons.

DIMENSIONS

Width over Rim, 30 inches.

Width Inside, 24 inches.

Height from Floor to Top of Rim, 22 inches.

Depth Inside, 17 inches.

Nominal Size feet	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6
Length over Rim, not including Fittings. inches	48	54	60	66	72
Price, as described, with No. 1 Exterior Finish.	62.60	62.60	63.75	67.25	78.75
" " " " " 2 " " "	57.60	57.60	58.75	62.26	73.75
" Tub only, no Fittings, no Finish.	30.50	30.50	32.50	36.00	40.00
Approximate Shipping Weight, Boxed. pounds	400	425	450	500	600
" " " Crated.	300	325	350	400	490

RUMSEY'S ENAMELED IRON BATHS

TWO-YEAR GUARANTEED

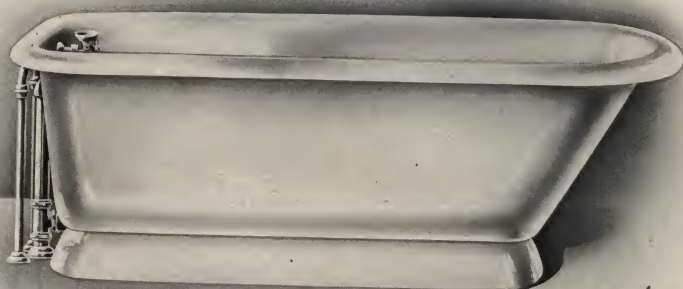


Plate 422-H

Rumsey's Two-Year Guarantee Porcelain Enamelled Iron Bath Tub on Base with 3-inch Roll Rim and No. 1 Zinc White Exterior Finish, No. 4½ Nickel-plated Fuller Combination Double Faucet with Nickel-plated Supply Pipes, Nickel-plated Connected Waste and Overflow and Nickel-plated Escutcheons.

DIMENSIONS

Width over Rim, 30 inches.

Width Inside, 24 inches.

Height from Floor to Top of Rim, 22 inches.

Depth Inside, 17 inches.

Nominal Size.....feet	4	4½	5	5½	6
Length over Rim.....inches	48	54	60	66	72
Price, as described, with No. 1 Exterior Finish.....	49.75	49.75	50.75	54.25	65.75
" " " " " 2 " "	44.75	44.75	45.75	49.25	60.75
" Tub only, no Fittings, no Finish.....	30.50	30.50	32.00	35.00	40.00
Approximate Shipping Weight, Boxed.....pounds	400	425	450	500	600
" " " Crated....."	300	325	350	400	490

RUMSEY'S ENAMELED IRON BATHS

TWO-YEAR GUARANTEED



Plate 423-H

Rumsey's Two-Year Guarantee Porcelain Enamelled Iron Bath Tub with 3-inch Roll Rim and No. 1 Zinc White Exterior Finish, Nickel-plated Compression Low Bell Supply and Waste Fittings with All China Handles and China Waste Knob Indexed, 1/2-inch I. P. Size Seamless Brass Nickel-plated Supply Pipes and Nickel-plated Escutcheons.

DIMENSIONS

Width over Rim, 30 inches. Width Inside, 24 inches.
Height from Floor to Top of Rim, 22 inches. Depth Inside, 17 inches.

Nominal Size	4	4½	5	5½	6
Length over Rim, not including Fittings	48	54	60	66	72
Price, as described, with No. 1 Exterior Finish	55.25	55.25	56.00	59.50	65.25
" " " " " 2 " " 	50.25	50.25	51.00	54.50	60.25
" Tub only, no Fittings, no Finish	21.50	21.50	23.50	27.00	31.00
Approximate Shipping Weight, Boxed	385	400	450	475	525
" " " Crated	285	300	350	375	425

RUMSEY'S ENAMELED IRON BATHS

TWO-YEAR GUARANTEED

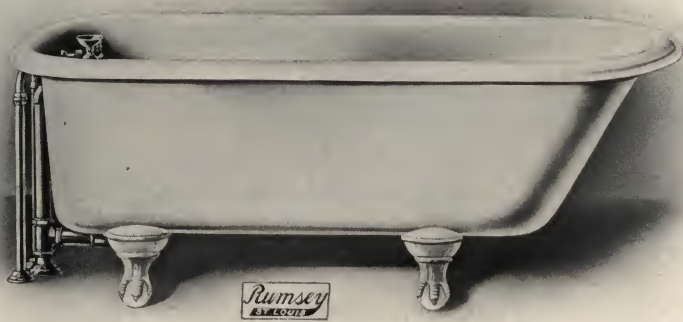


Plate 425-H

Rumsey's Two-Year Guarantee Porcelain Enamelèd Iron Bath Tub with 3-inch Roll Rim, No. 4½ Nickel-plated Fuller Combination Double Faucet, Nickel-plated Supply Pipes, Nickel-plated Connected Waste and Overflow and Nickel-plated Escutcheons.

DIMENSIONS

Width over Rim, 30 inches. Width Inside, 24 inches.
Height from Floor to Top of Rim, 22 inches. Depth Inside, 17 inches.

Nominal Size	feet	4	4½	5	5½	6
Length over Rim	inches	48	54	60	66	72
Price, as described		27.50	27.50	28.00	32.00	41.00
" Tub only, no Fittings, no Finish		21.50	21.50	23.50	27.00	31.00
Approximate Shipping Weight, Crated	pounds	285	300	350	375	425

If with No. 1, Zinc White Exterior Finish, add..... 13.00
" " " 2, " " " " " " 9.00

ENAMELED IRON BATHS

NARRORIM

TWO-YEAR GUARANTEED



Plate 426-H

Enameled Iron Bath, with $1\frac{3}{4}$ -inch Roll Rim and Claw Feet, Painted One Coat Exterior, Drilled $1\frac{1}{4}$ -inch Cock Holes $3\frac{3}{8}$ inches Center to Center and $2\frac{1}{2}$ -inch Overflow Hole.

Designed for the purpose of replacing Copper Tubs occupying limited space.

DIMENSIONS

Width over Rim, $24\frac{1}{2}$ inches.

Height to Top of Rim, 22 inches.

Width of Roll Rim, $1\frac{3}{4}$ inches.Depth Inside, $17\frac{1}{4}$ inches.

Length over Rim	feet	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
Price, as described	each	19.50	19.50	21.50	24.50	28.00

If with Overflow Horn and Waste Plug with Rubber Stopper, add....	1.50
“ with Fuller Double Bath Cock, $\frac{1}{2}$ -inch Supply Pipes and Connected Waste and Overflow, add.....	8.50
“ with No. 1 Zinc White Finish Outside, add	13.00
“ “ “ 2 “ “ “ “ “	9.00

ENAMELED STEEL BATHS

WITH OAK RIM



Plate 427-H

Enameled Steel Bath—Enamel Inside Baked on, Finished Outside in Sky Blue, Oak Rim and Nickel-plated Connected Waste and Overflow with Rubber Plug.

DIMENSIONS

Width over Rim, 27 inches. Depth Inside, 17½ inches.
Height from Floor, 24 inches.

Size.....feet	4½	5	5½	6
Price, as described.....	19.50	20.50	21.50	24.50

These Tubs are drilled for No. 4½ Fuller Cock unless otherwise ordered.

SOLID PORCELAIN FOOT AND SEAT BATHS



Plate 428-H

Rumsey's Solid Porcelain Roll Rim Foot Bath on Base, Glazed White Inside and Outside, Fitted with Nickel-plated Compression Combination Bell Supply and Waste Fitting with Solid China Indexed Handles, China Indexed Waste Knob, $\frac{1}{2}$ -inch Iron Pipe Size Nickel-plated Seamless Brass Supply Pipes and Nickel-plated Cast Brass Escutcheons.

Length Over All, 25 inches

Width Over All, 21 inches

Height from Floor to Top of Rim, 13 inches

	Class A	Class B
Price, as described.....	63.50	53.50
Approximate Shipping Weight.....pounds	250	250

Rumsey's Solid Porcelain Roll Rim Seat Bath on Base, Glazed White Inside and Outside, Fitted with Nickel-plated Compression Low Bell Supply and Waste Fitting with China Indexed Handles, China Indexed Waste Knob, $\frac{1}{2}$ -inch Iron Pipe Size Nickel-plated Seamless Brass Supply Pipes and Nickel-plated Cast Brass Escutcheons.

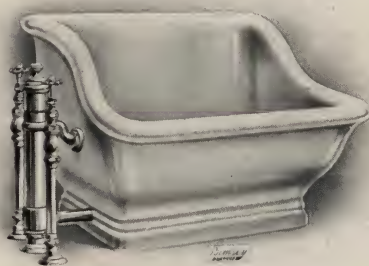


Plate 429-H

Length Outside, Tub only, 30 inches

Width Outside, 27 inches

Height from Floor to Top of Back, 21 inches

Height at Front, 15 inches

	Class A	Class B
Price, as described.....	105.00	81.00
" " " on Feet instead of Base.....	97.75	74.25
Approximate Shipping Weight.....pounds	400	400

ENAMELED IRON FOOT BATHS



Plate 430-H

Rumsey's Porcelain Enam-
eled Iron Foot Bath on Base,
with No. 1 Zinc White Exterior
Finish, 2½-inch Roll Rim with
Extension Rim for Fittings,
Nickel-plated Compression Low
Bell Supply and Waste Fitting
with Solid China Indexed Han-
dles, China Index on Waste,
½-inch Iron Pipe Size Nickel-
plated Seamless Brass Supply
Pipes and Nickel-plated Cast
Brass Escutcheons.

Length over Rim, 22 inches	
Height from Floor to Top of Rim, 16 inches	
Price, as described	55.00
" " " with Fittings, no Exterior Finish	46.75
" Foot Bath only, no " " " " "	20.00
Approximate Shipping Weight.....pounds	200

Rumsey's Porcelain Enam-
eled Iron Foot Bath on Feet
with Extension Rim at Fitting
End, No. 1 Zinc White Exterior
Finish, Nickel-plated Compres-
sion Combination Low Bell Sup-
ply and Waste Fittings, ½-inch
Iron Pipe Size Nickel-plated
Seamless Brass Supply Pipes,
Solid China Indexed Handles,
China Waste Knob and Nickel-
plated Cast Brass Escutcheons.



Plate 431-H

Length over Rim, 22 inches	
Height from Floor to Top of Rim, 16 inches	
Price, as described	43.25
" Foot Bath only, no Fittings, no Exterior Finish.....	15.00
Approximate Shipping Weight.....pounds	200

ENAMELED IRON SITZ BATHS

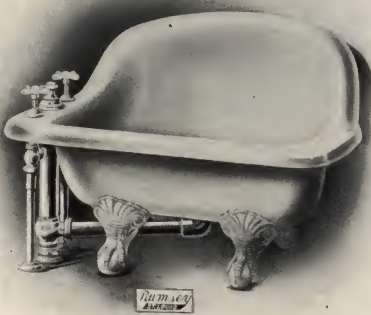


Plate 432-H

Rumsey's Porcelain Enameled Iron Sitz Bath on Feet, with No. 1 Zinc White Exterior Finish, 3-inch Roll Rim with 5-inch Extension Rim on Both Sides, Nickel-plated Compression Low Bell Supply and Waste Fitting through Rim with Nickel-plated $\frac{1}{2}$ -inch Iron Pipe Size Seamless Brass Supply Pipes, All China Handles and China Index on Waste and Nickel-plated Cast Brass Escutcheons.

DIMENSIONS

Front to Back over Rim, $31\frac{1}{2}$ inches

Width over Rim, 34 inches

Height from Floor to Top of Back, 22 inches

Height from Floor to Top of Rim at Front, $14\frac{1}{2}$ inchesDepth Inside, $9\frac{3}{4}$ inches

Price, as described	70.00
" " " with Fittings, no Exterior Finish	61.75
" Tub only, no Fittings, no Exterior Finish	32.50
Approximate Shipping Weight	pounds 250

Rumsey's Porcelain Enameled Iron Sitz Bath on Base, with No. 1 Zinc White Exterior Finish, 3-inch Roll Rim with 5-inch Extension Rim on Both Sides, Nickel-plated Compression Low Bell Supply and Waste Fitting through Rim with Nickel-plated $\frac{1}{2}$ -inch Iron Pipe Size Seamless Brass Supply Pipes, All China Handles and China Index on Waste, Nickel-plated Cast Brass Escutcheons.

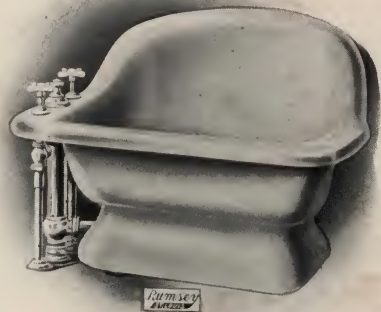


Plate 433-H

DIMENSIONS

Front to Back over Rim, $31\frac{1}{2}$ inches

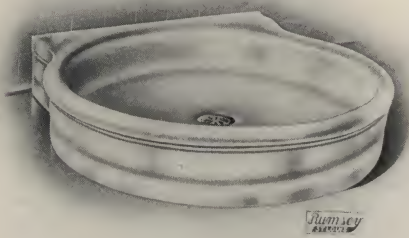
Width over Rim, 34 inches

Height from Floor to Top of Back, 22 inches

Height from Floor to Top of Rim at Front, $14\frac{1}{2}$ inchesDepth Inside, $9\frac{3}{4}$ inches

Price, as described	80.00
" " " with Fittings, no Exterior Finish	71.75
" Tub only, no Fittings, no Exterior Finish	40.50
Approximate Shipping Weight	pounds 250

SOLID PORCELAIN RECEPTORS



Rumsey's White Porcelain Roll Rim Round Shower Receptor with Square Back to Tile in Wall with Nickel-plated Waste Strainer and Coupling.

Plate 500-H

Length along Wall at Back, 36 inches
Outside Diameter, 42 inches

From Back to Front, 42 inches
Depth Inside, 7½ inches

	Class A	Class B
Price, as described.....	128.00	90.50
Approximate Shipping Weight.....pounds	525	525

Rumsey's Solid Porcelain Roll Rim Corner Shower Receptor to Tile into Floor and Wall with Nickel-plated Strainer and Coupling.

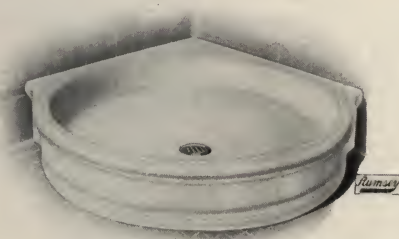


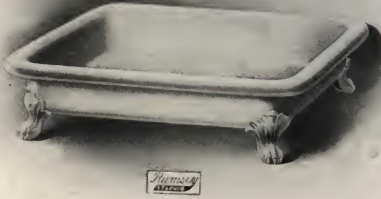
Plate 501-H

Length of Sides along Wall, 34 inches
Height, 9 inches

From Corner to Front, 50 inches
Depth Inside, 7½ inches

	Class A	Class B
Price, as described.....	122.00	88.50
Approximate Shipping Weight.....pounds	460	460

ENAMELED IRON RECEPTORS



Rumsey's Porcelain Enam-
eled Iron Roll Rim Shower
Receptor with Nickel-plated
Strainer and Connections.

Plate 502-H

Length, 36 inches

Length, 42 inches

Height from Floor to Top of Roll Rim, 9 inches

Width, 36 inches

Width, 42 inches

Depth Inside, 6 inches

Sizes.....	36x36	42x42
Price, as described.....	27.50	38.00
If with No. 1 Zinc White Exterior Finish, add.....	6.50	6.50
Approximate Shipping Weight.....pounds	175	200

Rumsey's Porcelain Enameled
Iron Round Receptor for Corner
with Apron to Floor, to set in
Marble or Tile Wainscoted Walls
with Nickel-plated Strainer and
Waste Connection.



Plate 503-H

Inside Diameter, 36 inches

Depth at Outlet, 4 $\frac{3}{4}$ inches

Width of Rim, 3 inches

Depth of Apron, 5 $\frac{1}{2}$ inches

Length at Sides for Tiling in, 39 inches

Price, as described.....	45.00
Approximate Shipping Weight.....pounds	300

SHOWER AND NEEDLE BATHS WITH NON-SCALDING VALVE

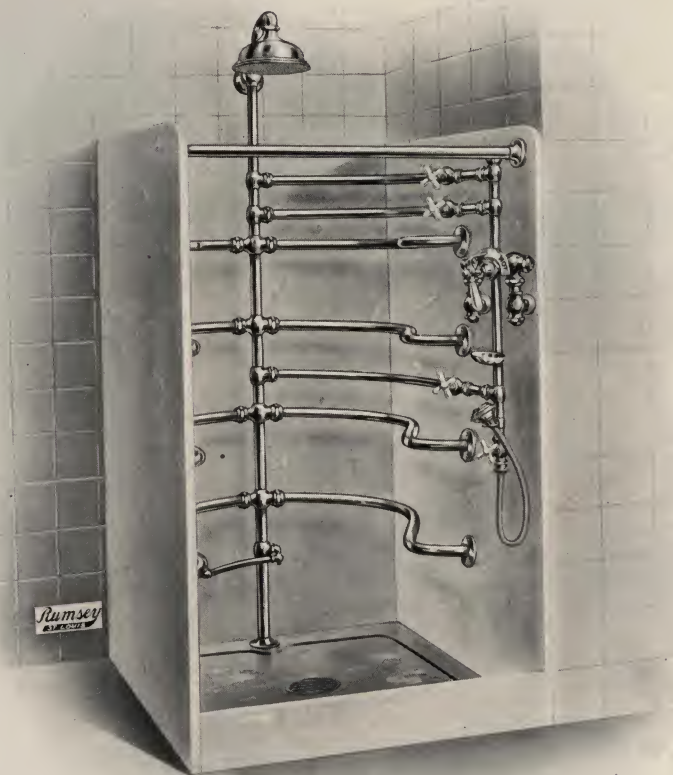


Plate 504-H

Rumsey's Combination Needle and Shower Bath with No. 1 Non-Scalding Regulating Valve, Strainer Unions, Bidet, Hand Shampoo, Soap Cup, and $\frac{3}{4}$ -inch Supplies to Wall, Italian Marble Stall, 3 feet, 2 inches Wide, 3 feet, 2 inches Deep, Inside Measurement, 6 feet, 6 inches High, with Countersunk and Rabbeted Base, $1\frac{1}{4}$ -inch Thick, Nickel-plated Curtain Rod, Nickel-plated Floor Drain with Strainer and Coupling.

Price, as described, with Italian Marble Stall.....	345.00
" " " " Slate, instead of Marble Stall.....	260.00
If with White Duck Curtain, add.....	4.00
" without Bidet, deduct.....	14.75
" " Shampoo, deduct.....	7.50

To obtain proper results with Needle Baths the water pressure should be at least 20 pounds and the Supplies Pipes amply large.

SHOWER AND NEEDLE BATHS

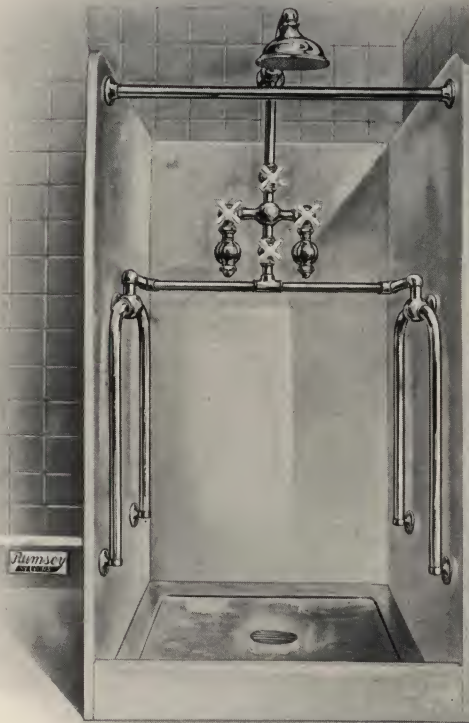


Plate 505-H

Rumsey's Nickel-plated Combination Needle and Shower Bath, with $\frac{1}{2}$ -inch Supplies to Wall, Nickel-plated Curtain Rod with Wall Flanges, Italian Marble Stall 3 feet, 2 inches Deep, 3 feet, 2 inches Wide; Inside Measurement, 6 feet, 6 inches High, with Countersunk and Rabbeted Base, $1\frac{1}{4}$ inches Thick, Nickel-plated Floor Drain with Strainer and Coupling.

Price, as described, with Italian Marble Stall	220.00
" " " " Slate instead of Marble Stall.....	135.00
" Shower only, with Curtain Rod, no Stall nor Floor Drain.....	60.50
If with White Duck Curtain, add	4.00

SHOWER AND NEEDLE BATHS
WITH NON-SCALDING VALVE

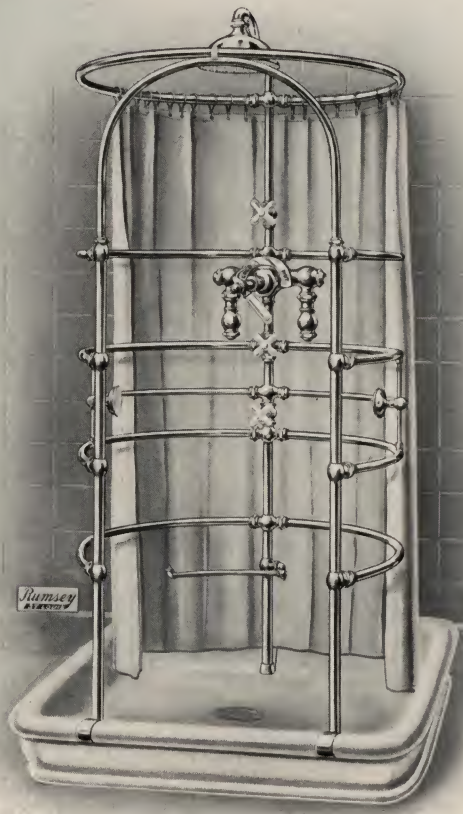


Plate 506-H

Rumsey's Nickel-plated Combination Needle and Shower Bath, with No. 1 Non-Scalding Regulating Valve with $\frac{3}{4}$ -inch Supplies to Wall, Strainer Unions, Liver Sprays, Bidet, White Duck Curtain, and 36x36-inch Enameled Iron Receptor, with No. 1 Zinc White Exterior Finish with Strainer and Coupling.

Price, as described	each	265.00
" " " less Receptor, and Strainer	"	212.50
If without Liver Sprays, deduct		14.50
" " Bidet, deduct		14.50

To obtain proper results with Needle Baths the water pressure should be at least 20 pounds and the Supply Pipes amply large.

SHOWER AND NEEDLE BATHS

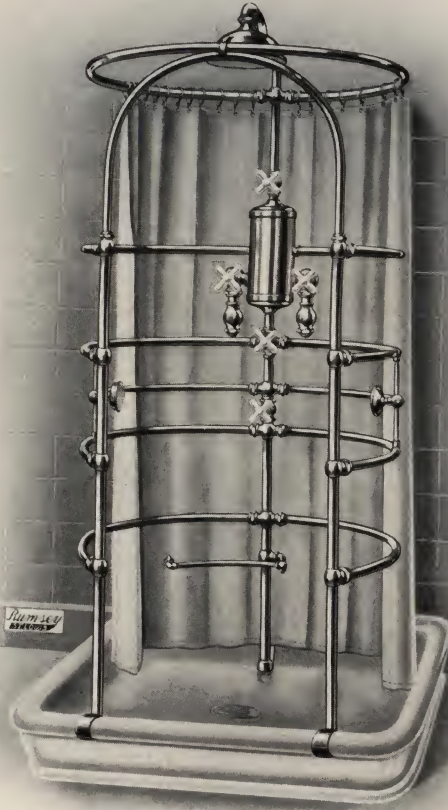


Plate 507-H

Rumsey's Nickel-plated Combination Needle and Shower Bath, with Mixing Chamber, Liver Sprays, Bidet, White Duck Curtain, and 36x36 inch Enameled Iron Receptor with No. 1 Exterior Finish with Strainer and Coupling.

Price, as described	261.00
" " " less Receptor and Strainer	210.00
If with Thermometer, add	7.50
" without Liver Sprays, deduct	14.50
" " Bidet, deduct	14.50

To obtain the proper results with Needle Baths the water pressure should be at least 20 pounds and the Supply Pipes amply large.

SHOWER BATHS



Plate 508-H

Rumsey's Nickel-plated Rain Bath and Shampoo with 1/2-inch Supplies to Wall, Large Rectangular Curtain Frame and White Duck Curtains.
This shower has been designed to go over a regular bath tub, as shown in illustration, and by placing the needle head with adjustable ball joint at the end of the bath, the user can obtain a most satisfactory rain bath. When not in use the curtains can be drawn back against the wall, for which purpose we furnish with the shower the necessary holders.

Price, as described, less Tub.....	62. 50
“ “ “ “ “ with Non-Scalding Regulating Valve.....	77. 00

When ordering, state if Shower is to be fitted with Compression Valves, as shown, or with Non-Scalding Regulating Valve.

SHOWER BATHS

WITH NON-SCALDING VALVE

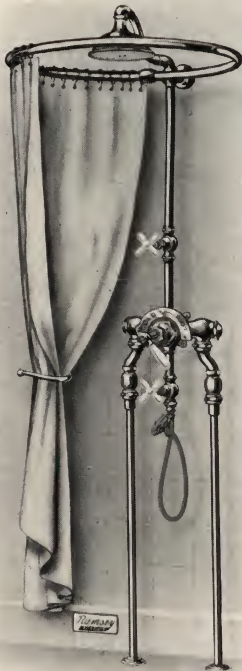


Plate 509-H

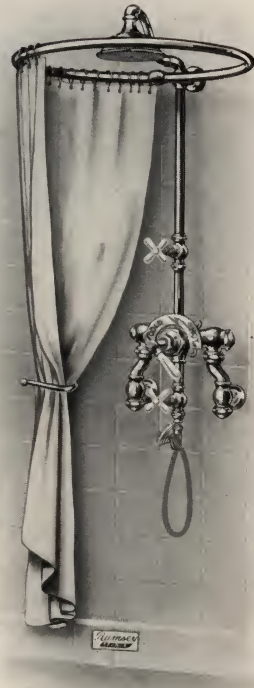


Plate 510-H

PLATE 509-H

Rumsey's Nickel-plated Brass Shower with No. 1 Non-Scalding Regulating Valve with China Handle, Supply Pipes to Floor, Strainer Unions, Check Valves, Shampoo, Nickel-plated Oval Curtain Ring 24x30 inches and White Duck Curtain.

Price, with $\frac{1}{2}$ -inch Valve, $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge	64.00
" " $\frac{1}{2}$ " " $\frac{1}{2}$ " " $\frac{3}{4}$ " "	70.50
" " $\frac{3}{4}$ " " $\frac{3}{4}$ " " $\frac{3}{4}$ " "	82.50
If without Shampoo, deduct	10.75

PLATE 510-H

Same as Plate 509-H except with Supply Pipe to Wall.

Price, with $\frac{1}{2}$ -inch Valve, $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge	61.00
" " $\frac{1}{2}$ " " $\frac{1}{2}$ " " $\frac{3}{4}$ " "	67.25
" " $\frac{3}{4}$ " " $\frac{3}{4}$ " " $\frac{3}{4}$ " "	78.50
If without Shampoo, deduct	10.75

SHOWER BATHS

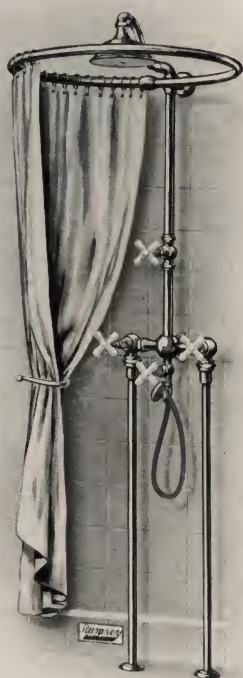


Plate 511-H



Plate 512-H

PLATE 511-H

Rumsey's Nickel-plated Brass Shower, with Needle Head, Nickel-plated Curtain Ring, 24 inches in Diameter, White Duck Curtain, Curtain Holder and Nickel-plated Valves with All China Handles Indexed, Shampoo Attachment with Hose and Rose Spray.

Price, with $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge.....	35.50
" " $\frac{3}{4}$ " " $\frac{3}{4}$ " "	53.25

PLATE 512-H

Same as Plate 511-H except without Shampoo.

Price, with $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge.....	31.75
“ “ $\frac{3}{4}$ “ “ $\frac{3}{4}$ “ “	45.75

SHOWER BATHS

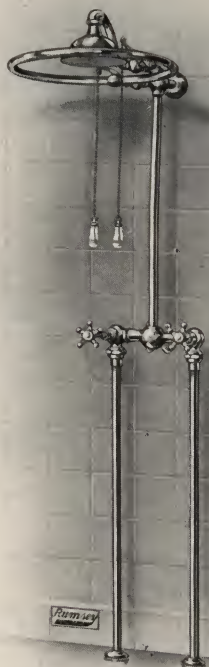


Plate 513-H



Plate 514-H

PLATE 513-H

Rumsey's Nickel-plated Brass Shower, with Needle Head and Additional Shower Ring, each operated independently with Separate Self-closing Valve with Pull, Compression Valves with China Indexed Handles and Supply Pipes to Floor.

Price, with $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge.....	35.00
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PLATE 514-H

Rumsey's Nickel-plated Brass Shower with Needle Head, Compression Valves with China Indexed Handles and Supply Pipes to Floor.

Price, with $\frac{1}{2}$ -inch Supplies, $\frac{1}{2}$ -inch Discharge.....	20.00
" " $\frac{1}{2}$ " " $\frac{3}{4}$ " "	28.00

PORTABLE SHOWER BATHS
TO ATTACH TO BATH COCK



Plate 515-H

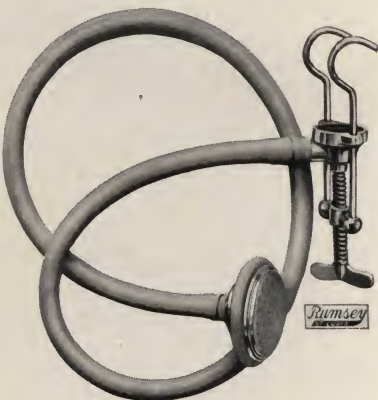


Plate 516-H

PLATE 515-H

Rumsey's Portable Shower, with Special "Cant Blow Off" Faucet Attachment, Seamless Rubber Tubing with Woven Core, Nickel-plated Brass Curtain Ring with White Duck Curtain, and Cast Brass Hold Back Curtain Hook.

Price, as described.....	17.25
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The Faucet Attachment used on this Shower is a great improvement on the ordinary rubber bulb furnished with other makes of Portable Showers. It will fit any Double Bath Cock.

PLATE 516-H

Rumsey's Special "Cant Blow Off" Faucet Attachment with Seamless Rubber Woven Core Tubing, 5 feet, 6 inches Long and Rubber Bound Hand Spray.

Price, as described.....	each	3.75
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COPPER SHOWERS

No. 0 PLAIN



Plate 517-H

No. 1 PLAIN



Plate 518-H

Price, No. 0 Plain, for 1½-inch I. P.	per dozen	12.00
" " 1 " with Arm	"	12.00

No. 1½ PLAIN

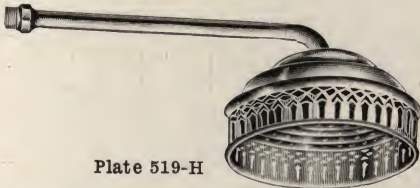


Plate 519-H

No. 2 FANCY

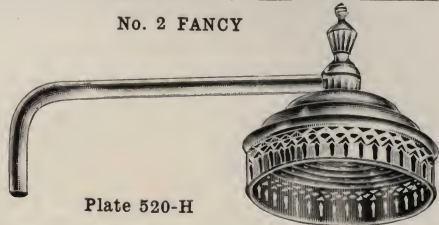


Plate 520-H

Price, No. 1½ Plain, with Arm	per dozen	15.00
" " 2 Fancy, " "	"	15.00

No. 3 FANCY



Plate 521-H

No. 4 TUBULAR



Plate 522-H

Price, No. 3 Fancy, with Flange and Thimble	per dozen	17.50
" " 4 Tubular	"	27.00

No. 5 FANCY TUBULAR

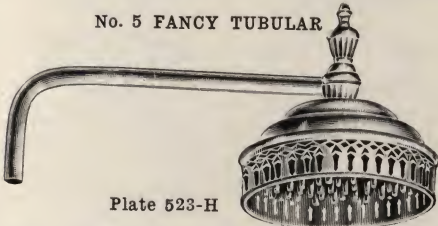


Plate 523-H

No. 6 FANCY TUBULAR

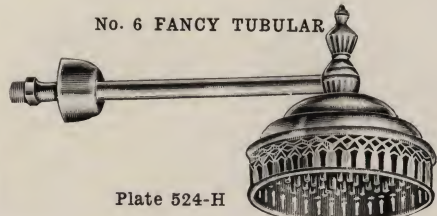


Plate 524-H

Price, No. 5 Fancy Tubular	per dozen	30.00
" " 6 " " with Flange and Thimble	"	32.00

COPPER SHOWER HEADS
NICKEL PLATED

RAIN HEAD
WITH AIR VALVE
No. 30



Plate 525-H

RAIN HEAD WITH
CENTER DOUCHE
No. 50

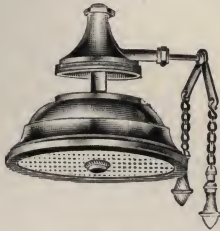


Plate 526-H

RAIN HEAD,
TWO PART WITH
AIR VALVE
No. 40



Plate 527-H

TULIP SHOWER
HEAD WITH RE-
MOVABLE BEV-
ELED SLOTTED
FACE No. 41
LONG PATTERN



Plate 528-H

Diameter.....inches	4	5	6½	8	10	12	15
Size of Connection, I. P. Thread.inches	3⁄8	½	½	¾	1	1	1
Price, No. 30, Rain Head.....each	1.40	1.50	1.90	2.50	4.75	6.25	8.75
“ “ 50 “ “.....“	.....	.....	.....	8.75	.....	.....	.....
“ “ 40 “ “.....“	.....	2.75	3.15	3.75	6.00	7.50	10.00
“ “ 41, Shower “ ½ or ¾ in. Connect. “	2.50	.....	.....	.....	.....	.....	.....

These showers may be furnished with male threads if desired.
No. 41 is 3½ inches deep.

TULIP SHOWER
HEAD WITH REMOV-
ABLE BEVELED
SLOTTED FACE
AND BALL JOINT
No. 42



Plate 529-H

TULIP SHOWER
HEAD WITH REMOV-
ABLE BEVELED
SLOTTED FACE
No. 43 SHORT PATTERN

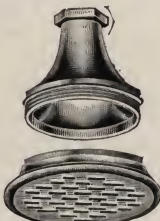


Plate 530-H

TULIP RAIN HEAD
WITH REMOVABLE
FACE
No. 44

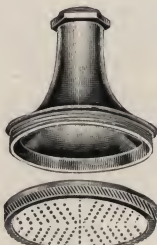


Plate 531-H

TULIP RAIN HEAD
WITH REMOVABLE
FACE AND BALL JOINT
No. 46



Plate 532-H

Diameter.....inches	4	4½	5	6½
Price, No. 42 with ½-inch I. P. Connection.....each	4.75	.....	.....	.....
“ “ 42 “ ¾ “ “.....“	5.00	.....	.....	.....
“ “ 43 “ ½ or ¾-inch I. P. Connection.....“	.....	2.75	3.00	3.40
“ “ 44 “ ½ or ¾ “ “.....“	2.00	.....	.....	.....
“ “ 46 “ ½-inch I. P. Connection.....“	4.25	.....	.....	.....
“ “ 46 “ ¾ “ “.....“	4.50	.....	.....	.....

BATH SPRAYS, HOSE SPRINKLERS, ETC.

BATH SPRAYS

No. 70



Plate 533-H

No. 75

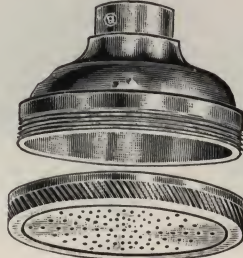


Plate 534-H

HOSE SPRINKLER
Nos. 52 AND 53



Plate 535-H

Diameter.....inches	1½	1¾	2	2¼	2½	3	3½	4	5
Price, No. 70, with Rubber Ring....per doz.	....	....	....	....	5.50	7.50	12.00	21.75	29.25
" " 75, ¾-inch I. P. Female.. " "	....	....	12.00	....	....	....	....	....	....
" " 52, ¾ " " " " " " " " " "	3.00	3.25	3.50	3.75	4.00	4.50	....	....	....
" " 53, ¾ " " " " " " " " " "	....	....	....	....	....	6.50	....	....	....

TILTING BASIN



Plate 536-H

SHOWER CURTAIN PINS



Plate 537-H

TILTING BASINS, NICKEL-PLATED COPPER

Price, 11 inches Diameter, 4¾ inches Deep with N. P. Bracket and Stop....each	12.50
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No. 84

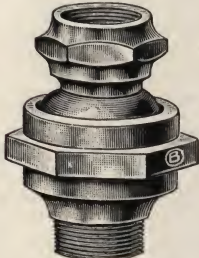


Plate 538-H

SHOWER CURTAIN PINS

Price, for 1 or 1¼-inch Curtain Rings.....per 100	7.50
" " 1½ or 2 " " " " " " " " " "	10.00

NO. 84 BALL JOINTS FOR SHOWER HEADS

Price, ½-inch I. P. Thread .....each	2.25
" ¾ " " " " " " " " " "	2.50

"KNICKERBOCKER" SPRAYBRUSHES

No. 3 SPRAYBRUSH

No. 1 SPRAYBRUSH



Plate 539-H



Plate 540-H

- No. 1 Rubber Spraybrush with flexible back, $5\frac{1}{2} \times 2\frac{3}{4}$ inches, flexible strap handle, nickel-plated brass extension handle, $5\frac{1}{2}$ feet of rubber tubing and Universal Aluminum Faucet Connection. Price, each... 2.00
If with double faucet connection, add35
" without tubing and faucet connection, deduct 1.50
- No. 3 Rubber Spraybrush with flexible back, $4\frac{3}{4} \times 2\frac{3}{8}$ inches, nickel-plated brass extension handle, $5\frac{1}{2}$ feet of rubber tubing and Universal Aluminum Faucet Connection. Price, each 4.00
If with double faucet connection, add..... .35
" without tubing and faucet connection, deduct 1.50

No. 5 SPRAYBRUSH



Plate 541-H

No. 7 SHAMPOO BRUSH

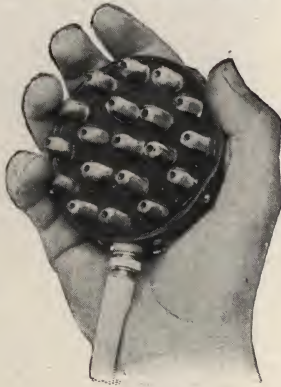


Plate 542-H

- No. 5 Rubber Spraybrush, 3 inches in diameter, with $5\frac{1}{2}$ feet of rubber tubing and Universal Aluminum Faucet Connection. Price, each..... 2.00
If with double faucet connection, add35
" without tubing and faucet connection, deduct 1.25
- No. 7 Rubber Shampoo Brush, 3 inches in diameter, with $5\frac{1}{2}$ feet of rubber tubing and Universal Aluminum Faucet Connection. Price, each 2.00
If with double faucet connection, add35
" without tubing and faucet connection, deduct 1.25

SPRAYBRUSH SET

SET No. 303



Plate 543-H

SHAMPOO BRUSH



Plate 544-H

SPRAYBRUSH



Plate 545-H

EXTENSION HANDLE



Plate 546-H

This combination may be used as a bath spray, a spraybrush for the bath or a shampoo brush. The three-in-one utility is obtained by simply slipping the spraybrush or shampoo brush tooth parts on or off the spray head. Set includes one bath spray 2½ inches in diameter made of heavy gauge brass, nickel plated and fitted with six feet rubber tubing and Universal aluminum faucet connection, one spraybrush tooth part, one shampoo brush tooth part and nickel plated extension handle.

Price, Complete in Box	3.00
If with Double Faucet Connection, add.....	.35

BATH ROOM FURNISHINGS
TOWEL BARS

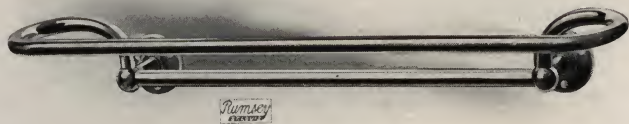


Plate 608-H

Price, with $\frac{5}{8}$ -inch Diameter Bars; Extreme Length, 26 inchesper dozen	30.00
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TOWEL SHELVES, WITH GUARD RAIL



Plate 609-H

Size.....	inches	18x5	24x5	30x5
Width.....	inches	5	5	5
Thickness of Glass.....	"	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$
Price, with Crystal Glass.....	each	4.90	5.70	6.50
" " Opal ".....	"	5.60	6.45	7.25

TOWEL SHELVES



Plate 610-H

Size.....	inches	18x5	24x5	30x5
Width.....	inches	5	5	5
Thickness of Glass.....	"	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$
Price, with Crystal Glass.....	each	3.60	4.05	4.50
" " Opal ".....	"	4.35	4.80	5.25

BATH ROOM FURNISHINGS
COMBINATION SOAP AND TUMBLER HOLDERS



Plate 611-H

Price, with China Soap Dish, China and Glass Tumblers and Mug.per dozen	98.50
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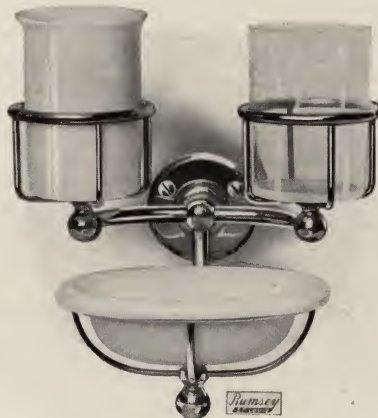


Plate 612-H

Price, with China Soap Dish and China and Glass Tumblers.....per dozen	52.50
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BATH ROOM FURNISHINGS

COMBINATION SOAP AND TUMBLER HOLDERS



Plate 617-H



Plate 618-H

Price, Plate 617-H, with China Soap Dish and China and Glass Tumblers, per dozen	114.00
" " 618-H, " " " " " Glass Tumbler	34.00

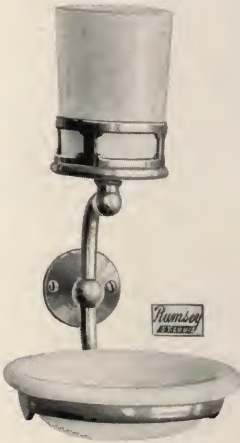


Plate 619-H

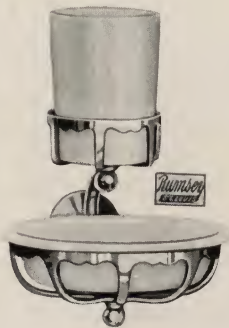


Plate -620-H



Plate 621-H

Price, Plate 619-H, with China Soap Dish and Glass Tumbler	per dozen	80.00
" " 620-H, " " " " " " " "	"	53.00
" " 621-H, " Glass Tumbler.....	"	28.50

BATH ROOM FURNISHINGS
MUG AND TUMBLER HOLDERS

MUG HOLDER



Plate 622-H

TUMBLER HOLDER

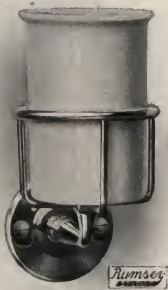


Plate 623-H

Price, Plate 622-H, with China Mug	per dozen	20.60
" " 623-H, " " Vase	"	20.00

TUMBLER HOLDERS

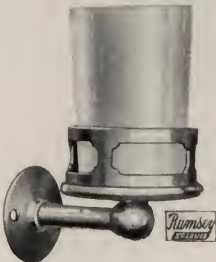


Plate 624-H



Plate 625-H

Price, Plate 624-H, with Glass Tumbler	per dozen	22.50
" " 625-H, " " "	"	24.50



Plate 626-H



Plate 627-H

Price, Plate 626-H, with Glass Tumbler	per dozen	19.50
" " 627-H, " " " "	"	21.00

BATH ROOM FURNISHINGS

COMBINATION SOAP AND SPONGE HOLDERS



Plate 628-H

Plate 629-H

Diameter of Sponge Holder.....	inches	7½
Price, Plate 628-H, with China Dish.....	per dozen	56.25
" " 629-H	"	48.75



Plate 630-H

Diameter of Sponge Holder.....	inches	6½
Price.....	per dozen	48.75

Soap cup is made of extra hard cast Britannia metal; hangers of malleable brass.

BATH ROOM FURNISHINGS

COMBINATION SOAP AND SPONGE HOLDER

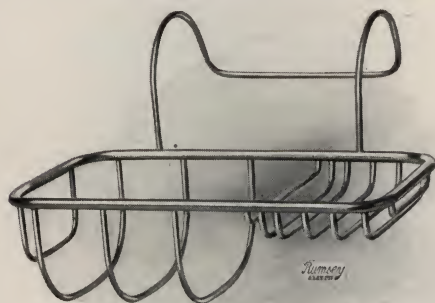


Plate 631-H

SPONGE HOLDER

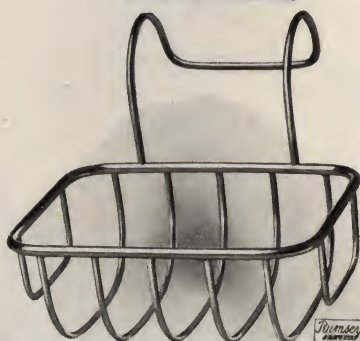


Plate 632-H

COMBINATION SOAP AND SPONGE HOLDERS

Size	inches	11x6
Price	per dozen	27.75
" with Extra Long Hangers for 6-inch Rim Tub	"	30.00

SPONGE HOLDERS

Size	inches	8½x6
Price	per dozen	23.25

SPONGE HOLDER

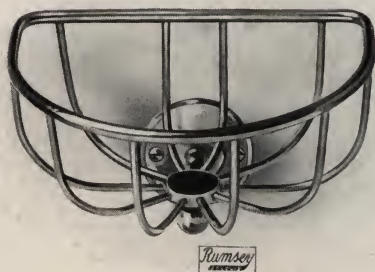


Plate 633-H

SOAP DISH

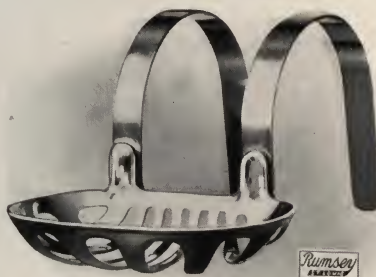


Plate 634-H

SPONGE HOLDERS

Size	inches	8x5¾
Price	per dozen	35.25

SOAP DISHES

Size	inches	5½x3½
Price	per dozen	22.25

Soap dish made of extra hard cast Britannia metal; hangers of malleable brass.

BATH ROOM FURNISHINGS

SOAP DISHES



Plate 635-H



Plate 636-H

Price, Plate 635-H, $5\frac{1}{2} \times 4$ inches	per dozen	13.25
" " 636-H, $3\frac{3}{4} \times 5\frac{1}{8}$ " with China Soap Dish	"	22.50

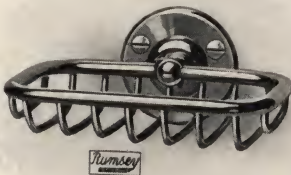


Plate 637-H



Plate 638-H

Price, Plate 637-H, $5\frac{1}{2} \times 4$ inches	per dozen	13.20
" " 638-H, $5 \times 3\frac{1}{4}$ "	"	5.25



Plate 639-H



Plate 640-H

Price, Plate 639-H, 4 inches in Diameter	per dozen	12.00
" " 640-H, $5 \times 3\frac{3}{4}$ inches	"	11.25

BATH ROOM FURNISHINGS
COMBINATION COMB AND BRUSH HOLDERS

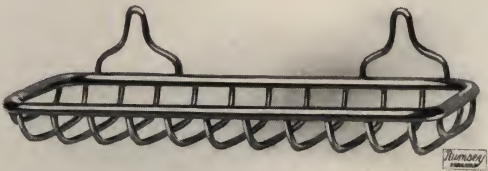


Plate 641-H

Size.....	..... inches	10x4
Price.....	..... per dozen	19.50

COMBINATION SOAP AND NAIL BRUSH HOLDERS

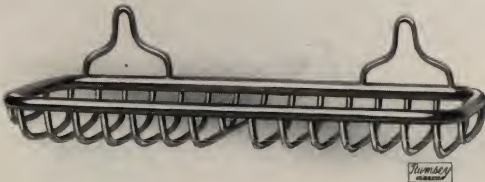


Plate 642-H

Size.....	..... inches	10x4
Price.....	..... per dozen	22.50

TOOTH BRUSH HOLDERS

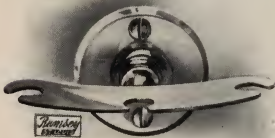


Plate 643H



Plate 644-H



Plate 645-H

Price, Plate 643-H	per dozen	5.00
“ “ 644-H for Four Brushes.....	“	4.25
“ “ 644-H “ Five “	“	5.00
“ “ 644-H “ Six “	“	5.75
“ “ 645-H.....	“	9.75

BATH ROOM FURNISHINGS

BROOM HOLDERS AND ROBE AND TOWEL HOOKS

BROOM HOLDER

ROBE AND TOWEL HOOK



Plate 646-H



Plate 647-H

Price, Plate 646-H.....	per dozen	5.00
" " 647-H.....	"	17.25

ROBE AND TOWEL HOOKS

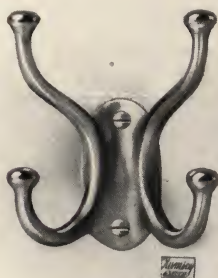


Plate 648-H



Plate 649-H

Price, Plate 648-H.....	per dozen	9.40
" " 649-H.....	"	17.25



Plate 650-H



Plate 651-H

Price, Plate 650-H.....	per dozen	17.25
" " 651-H.....	"	8.25

BATH ROOM FURNISHINGS

ROBE AND TOWEL HOOKS



Plate 652-H



Plate 653-H



Plate 654-H

Price, Plate 652-H.....	per dozen	7.50
" " 653-H.....	"	5.25
" " 654-H.....	"	7.50



Plate 655-H



Plate 656-H

Price, Plate 655-H.....	per dozen	5.00
" " 656-H.....	"	4.40

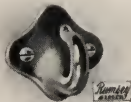


Plate 657-H

RAZOR STROP HOOKS

Price.....	per dozen	2.80
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BATH ROOM FURNISHINGS

TOILET PAPER HOLDERS

WITH TELESCOPING ROLLER AND CONCEALED SPRING

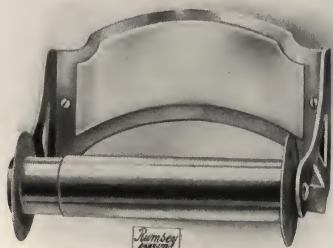


Plate 658-H



Plate 659-H

Price, Plate 658-H.....	per dozen	22.50
" " 659-H.....	"	21.00

WITH PLAIN WOOD ROLLER

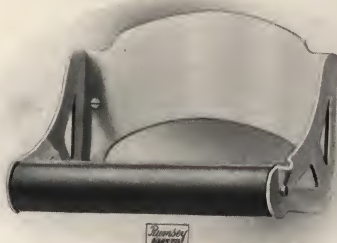


Plate 660-H

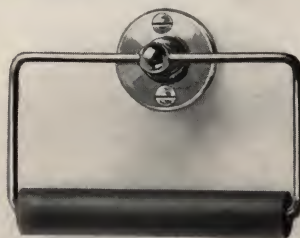


Plate 661-H

Price, Plate 660-H.....	per dozen	12.75
" " 661-H.....	"	5.75



Plate 662-H

IMPORTED VITREOUS CHINA
PAPER HOLDERSWith Brass Expansion Bolts to Fasten to
Wall

Price.....	each	3.50
" Special Imported Toilet Paper to fit.....	per dozen packages	1.00

BATH ROOM FURNISHINGS
MEDICINE CABINETS, PYRALIN COVERED



Beveled Plate Mirror Front,
Plate Glass Shelves, Nickel-plated
Brass Knob, Pyralin Covered.

No.....	1	2	3
Height, Inside..inches	20½	26	30
Width " .. "	14¾	18	20
Depth " .. "	4	5	4
Number of Shelves....	2	3	3
Price, Pyralin.....each	33.00	38.00	40.00
" Climax Pyralin "	20.85	25.45	.....

Plate 663-H

Plain Panel Front, Plate
Glass Shelves, Nickel-plated
Brass Knob, Pyralin Covered.

Number	1	2	3
Height, Inside..inches	20½	26	30
Width " .. "	14¾	18	20
Depth " .. "	4	5	4
No. of Shelves.....	2	3	3
Price, Pyralin.....each	30.50	33.50	35.00
" Climax Pyralin. "	19.25	22.10	.....

CORNER CABINET
Not Illustrated

White Pyralin Corner Cab-
inet, 24 inches high, 18 inches
wide, three White Shelves,
French Beveled Door and Han-
dle Lock.

Price..... each 30.00

Pyralin is a pure white substance applied in sheet form. It is impervious to natu-
ral heat or cold and will not crack, chip or turn yellow.
Climax Pyralin is the same grade only applied in thinner sheets.



Plate 664-H

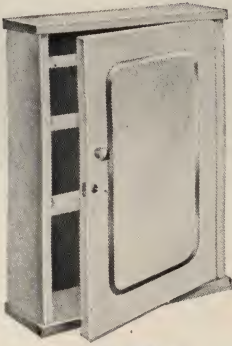
BATH ROOM FURNISHINGS**MEDICINE CABINETS**

Plate 665-H

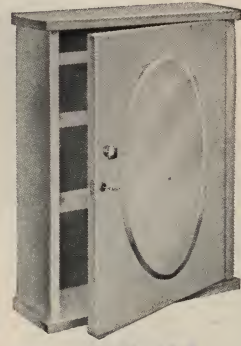


Plate 666-H

Plate 665-H—White Enamel Medicine Cabinet with Nickel-plated Trimmings, Beveled Mirror and Plate Glass Shelves, 19x15 $\frac{3}{4}$ x5 $\frac{3}{4}$ inches Outside, each	10.00
23x17 $\frac{3}{4}$ x5 $\frac{3}{4}$ inches Outside, each	12.00
25x19 $\frac{3}{4}$ x5 $\frac{3}{4}$ " " "	15.00

Plate 666-H—White Enamel Medicine Cabinet with Nickel-plated Trimmings, Beveled Mirror and Plate Glass Shelves, 19x15 $\frac{3}{4}$ x5 $\frac{3}{4}$ inches Outside, each	10.00
23x17 $\frac{3}{4}$ x5 $\frac{3}{4}$ inches Outside, each	12.00
25x19 $\frac{3}{4}$ x5 $\frac{3}{4}$ " " "	15.00

CORNER

Plate 667-H

Corner Medicine Cabinet, 23 inches High, 14 inches along Walls, Nickel-plated Trimmings, Beveled Mirror and Plate Glass Shelves.

Price, with Panel Door, each	13.00
" " Round Corner Mirror, each	15.00
" " Oval Mirror, each	15.00

BATH ROOM FURNISHINGS

MEDICINE CABINETS

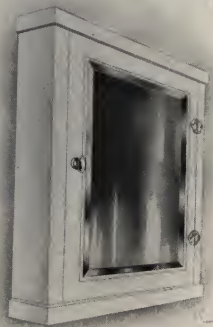


Plate 668-H

Enameled Steel Medicine Cabinet with
Enameled Shelves and Plate Glass Mirror.

Number	1	2
Outside Measurements.....inches	21½x24½	23½x26½
Inside "	20½x23	22½x25
Size of Mirror..... "	14 x18	16 x20
Price.....each	13.50	17.00

Enameled Steel Medicine Cabinet with Enam-
eled Shelves and Open Shelf Below and Plate Glass
Mirror.

Number	1	2
Outside Measurements.....inches	21½x32	23½x34
Inside "	20½x23	23½x34
Size of Mirror..... "	14 x18	16 x20
Price.....each	17.00	20.00



Plate 669-H

BATH ROOM FURNISHINGS**BATH TUB SEATS**

Plate 670-H

Price, Oak	each	1.68
" White Enamoid.....	"	2.30

Adjustable to all roll rim tubs.

EXTRA HEAVY

Plate 671-H

Price, Oak	each	6.25
" White Enamoid.....	"	6.90

Adjustable to all roll rim tubs.



Plate 672-H

Price, Solid Oak, for 3-inch Rims or less	each	1.90
" " " 4 to 6-inch Rims.....	"	2.40
" " Mahogany, for 3-inch Rims or less.....	"	3.00
" " " 4 to 6-inch Rims	"	3.50

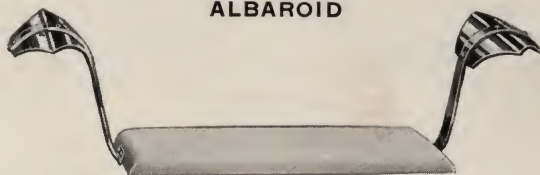
ALBAROID

Plate 673-H

Price, for 3-inch Rims or less.....	each	4.50
" " 4 to 6-inch Rims	"	5.00

These seats are covered with sheets of pure white albaroid. It is hard, non-absorbent, will not discolor and is practically indestructible.

BATH ROOM FURNISHINGS

MIRRORS

AMERICAN PLATE GLASS, 1-INCH BEVEL

1/2-inch Nickel-plated Seamless Brass Frame, Metal Back

OVAL



Plate 674-H

SQUARE



Plate 675-H

OVAL

Mirror Size.....inches	12x20	14x24
Price.....each	7.15	9.65

SQUARE

Mirror Size.....inches	9x12	10x16	12x20	14x24
Price.....each	4.75	5.75	7.15	9.65

FRENCH PLATE GLASS, 1-INCH BEVEL

1 1/2-inch White Enameled Metal Frame, Metal Back

OVAL

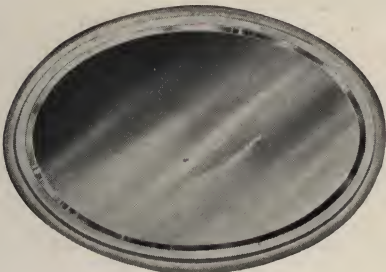


Plate 676-H

SQUARE

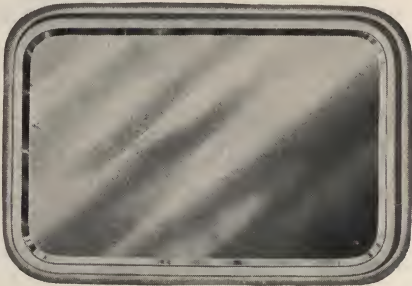


Plate 677-H

OVAL

Mirror Size.....inches	13x20	16x24	21x30
Price.....each	12.50	16.25	27.50

SQUARE

Mirror Size.....inches	12x18	16x24	18x30	18x36	24x30
Price.....each	11.25	16.90	21.35	24.40	26.25

BATH ROOM FURNISHINGS

MIRRORS

FRENCH PLATE GLASS, 1-INCH BEVEL, NICKEL-PLATED BRASS FRAME
SQUARE

OVAL

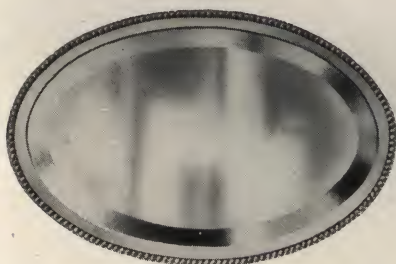


Plate 678-H



Plate 679-H

Mirror Size.....	inches	13x20	16x24	18x30	21x30	24x30
Price, Oval, Beaded Edge Frame, $\frac{3}{4}$ inch Wide, each		12.40	15.75	.....	25.90	.....
“ “ Plain “ “ “ “ “ “		10.15	13.50	.....	22.50	.....
“ Square, Beaded Edge Frame, $\frac{3}{4}$ inch Wide “		16.00	20.00	.....	25.00
“ “ Plain “ “ “ “ “ “		13.75	17.50	.....	22.50

AMERICAN PLATE GLASS, 1-INCH BEVEL

Mirror Size	inches	12x20	14x24
Price, Plain Edge N. P. Brass Frame, $\frac{1}{2}$ inch Wide, Oval or Square	each	7.15	9.65

WHITE ENAMELED WOOD FRAME

FRENCH PLATE GLASS, 1-INCH BEVEL

OVAL

SQUARE

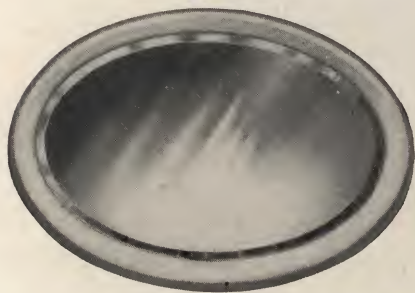


Plate 680-H

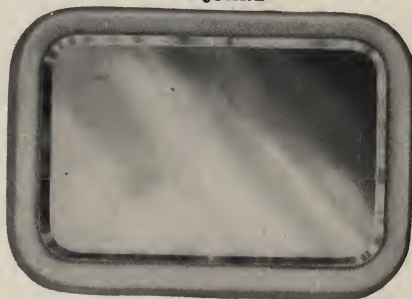


Plate 681-H

OVAL AND SQUARE

Mirror Size	inches	12x18	14x20	16x24	18x28
Width of Frame	inches	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Price, Oval.....	each	....	7.75	9.50	12.50
“ Square.....	“	6.00	7.75	9.50	12.50

ROUND

Mirror Size	inches	18	22	26
Width of Frame.....	inches	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
Price	each	10.00	13.75	18.75

PORCELAIN URINAL STALLS

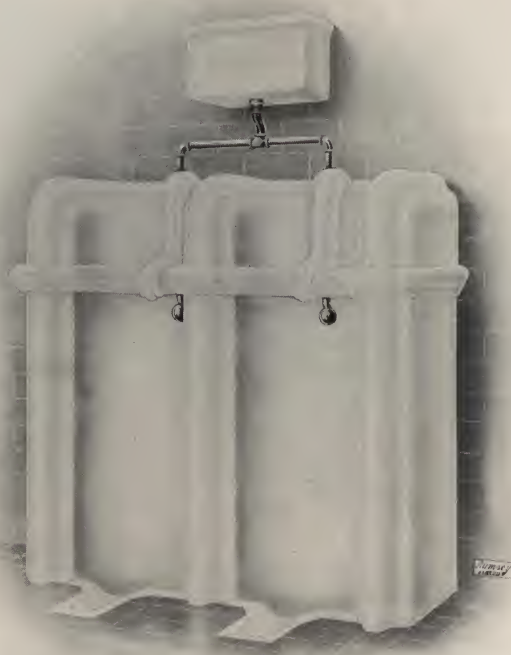


Plate 700-H

Rumsey's White Porcelain Urinal Stalls with Front Columns, Caps and Porcelain Floor Slabs, fitted with Vitreous China Automatic Flush Tank, Nickel-plated Flush Pipe and Spreaders, Nickel-plated Outlet Strainers and Couplings.

Height from Floor to Top of Stalls, 4 feet 8 inches. Width Over All: Two-Stall, 5 feet; Three-Stall, 7 feet; Four-Stall, 9 feet.

Price, as described, Two-Stall.....	Class A	Class B
" " " Three "	245.00	183.00
	341.00	253.00

These urinals can be furnished in as many stalls as may be desired, but the greatest number of urinals that can be operated by a single tank is three. Thus, a four-stall urinal would have two tanks, each flushing two urinals; a five-stall urinal two tanks, one flushing three and the other, two urinals.

Approximate shipping weight, two-stall urinal, 1950 pounds; three-stall urinal, 2750 pounds.

PORCELAIN URINAL STALLS



Plate 701-H

Rumsey's White Porcelain Urinal Stalls with Front Columns, Top Pieces and Porcelain Floor Slabs, fitted with Vitreous China Automatic Flush Tank, Nickel-plated Flush Pipe and Spreaders, Nickel-plated Outlet Strainers and Couplings.

Height from Floor to Top of Urinal, 41 inches. Width Over All: Two-Stall, 5 feet; Three-Stall, 7 feet; and 2 feet for each additional Urinal.

	Class A	Class B
Price, as described, Two-Stall	229.50	180.25
" " " Three "	326.00	254.00

These urinals can be furnished in as many stalls as may be desired, but the greatest number of urinals that can be operated by a single tank is three. Thus, a four-stall urinal would have two tanks, each flushing two urinals; a five-stall urinal would have two tanks, one flushing three and the other two urinals. Prices on application.

Approximate shipping weight, two-stall urinal, 1650 pounds; three-stall urinal, 2400 pounds.

PORCELAIN URINAL STALLS

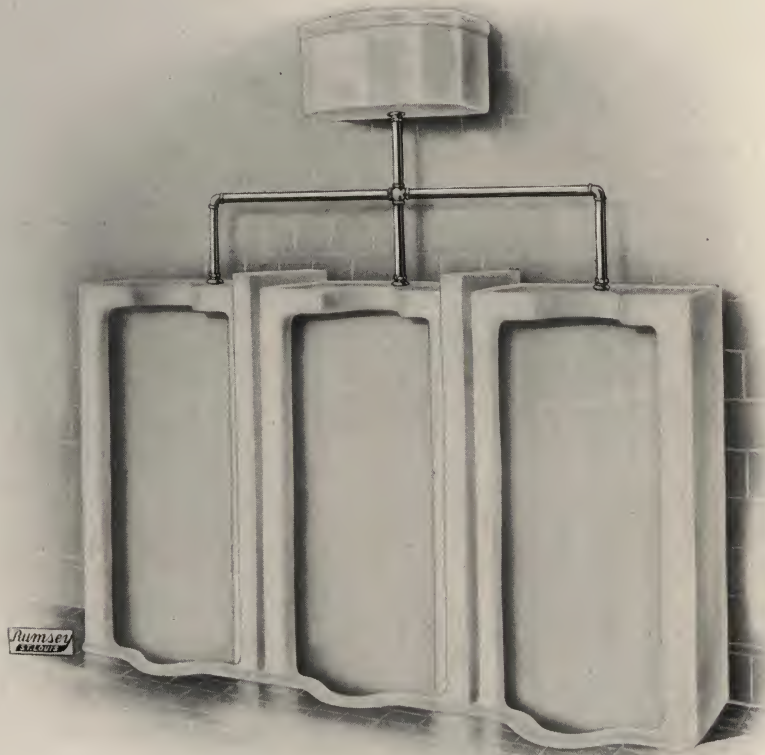


Plate 702-H

Rumsey's White Porcelain Integral Interlocking Urinal Stalls fitted with Vitreous China Automatic Tank, Nickel-plated Brass Flush Pipe, Nickel-plated Brass Spreaders and Locknuts, Nickel-plated Strainers and Couplings.

Height from Floor to Top of Stalls, 44 inches. Width Over All: Single-Stall, 24 inches; Two-Stall, 48 inches; Three-Stall, 72 inches. Extreme Front of Lip to Wall, 18½ inches.

Price, as described,	Two-Stall	.....	Class A	Class B
			218.50	177.00
" " " Three "	.....	.....	316.25	253.00

NOTE.—These urinals are made all in one piece, including partition. Each stall fits into the stall preceding it, making it impossible for urinal to come into contact with other than the glazed surface. The end stall is made without the partition.

These urinals can be furnished in as many stalls as desired, but the greatest number of urinals that can be operated by a single tank is three. Thus, a four-stall urinal would have two tanks, each flushing two urinals; five-stall urinals, two tanks, one flushing three and one flushing two urinals. Prices on application.

Approximate shipping weight, two-stall urinal, 1300 pounds; three-stall urinal, 1850 pounds.

PORCELAIN URINAL STALLS



Plate 703-H

Battery of Two White Porcelain Urinal Stalls, with Integral Front Shields, Nickel-plated Brass Drain with Locknut for 2-inch Iron Pipe Connection or 1½-inch Lead Pipe, One Rumsey's "Yeteve" Automatic Concealed Flushing Tank with Branch Fittings for Two Urinals, Nickel-plated Connections through the Wall and Spreader (no Flush Pipe).

Single Stall: Width along Wall, 24 inches; Height from Floor, 3 feet 7 inches.

Price, as described, Two-Stall	148.00
For each additional Stall Complete, add.....	70.00

Approximate shipping weight, each stall, 600 pounds.

We do not recommend a larger number of Urinals than three for use with one Automatic Tank.

The Urinals can be arranged with Tank in front of wall and with all Flush Connections, or with Rumsey's "Yesmur" Flushing Valve.

This type of Urinal should be set at least 6 inches apart to facilitate cleaning between stalls.

PORCELAIN URINAL STALLS



Plate 704-H

Rumsey's White Porcelain Urinals with Extension Shields, Nickel-plated "Yesmur" Push Button Flush Valve with Spreader and Locknut, Nickel-plated Strainer and Coupling.

Width Over All, Single-Stall, 18 inches	24 inches
Width Over All, Two-Stall, 45 inches	57 inches
For each additional Stall, add 21 inches	27 inches

Size	inches	18	24
Height from Floor to Top of Stalls	"	41	41
Price, as described, Single-Stall, Class A		126.00	144.00
" " " " " " B		94.00	112.00
" " " " Two " " A		232.00	270.00
" " " " " " B		181.25	210.00
" each additional Stall, Class A		107.25	126.00
" " " " " " B		85.00	100.25
Approximate Shipping Weight, Single-Stall	pounds	750	800
" " " " Two "	"	1275	1425
" " " " Three "	"	1800	2050

With the exception of the partitions, this urinal is made in one piece. The urinal cannot come in contact with other than the glazed surface.

VENTILATED GLASS URINAL STALLS

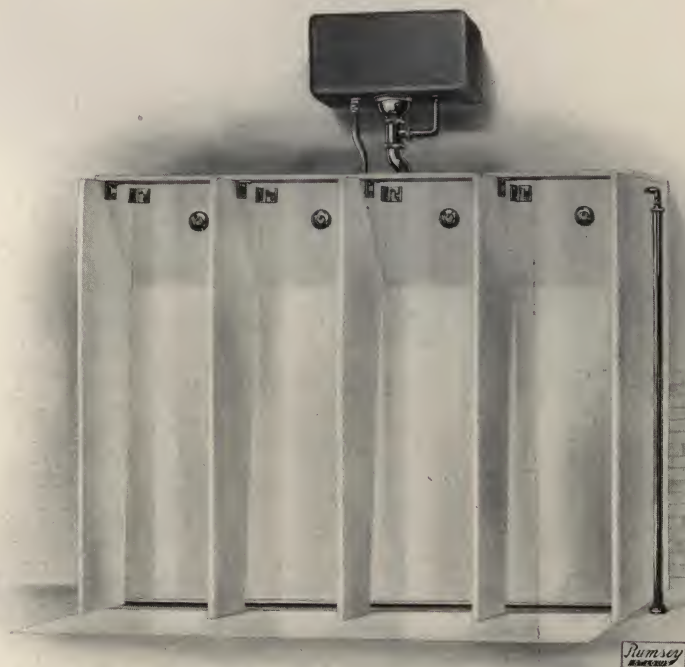


Plate 705-H

Rumsey's "Board of Education" Ventilated Four-Stall Pure White Glass Urinal, Honed Finish, fitted Complete with "Yeteve" Automatic Oak Tank, Nickel-plated Flush Pipe, Nickel-plated Air Pipe, Nickel-plated Spreaders, Nickel-plated Clamps and Angles, Rough Brass Flush Pipe to Spreaders, Galvanized Cast Iron Gutter, Cast Iron Upper and Lower Traps, and all necessary Braces and Bolts.

Height, 4 feet. Width, Center to Center of Partitions, 16 inches. Depth Inside, 16 inches.

Price, as described, Four-Stall.....	400.00
" each additional Stall, add.....	95.00

This urinal is so designed that gutter always contains a body of water which is changed each time urinal is flushed.

VENTILATED SLATE URINAL STALLS



Plate 706-H

Rumsey's Ventilated Slate Urinal with 1-inch Partitions, Back and Cap, 1¼-inch Countersunk Floor Slab, Galvanized Gutter, "Yeteve" Automatic Oak Tank, Nickel-plated Flush Pipe, Nickel-plated Perforated Wash Down Pipe, Nickel-plated Clamps, Angles and Bolts, Brass Waste Strainer and Coupling.

Height, 4½ feet, 5 feet or 5½ feet. Width, Center to Center of Partitions, 24 inches. Depth Inside, 20 inches. Vent Space, 6 inches. Total Depth, 27 inches.

Height of Stall.....	feet	4½	5	5½
Price, as described, Two-Stall		85.00	90.00	95.00
" " " Three "		116.00	123.00	130.00
" each additional Stall		31.00	33.00	35.00

SLATE URINAL STALLS



Plate 707-H

Rumsey's Slate Urinal with 1-inch Back, Ends and Partitions, $1\frac{1}{4}$ -inch Countersunk Base, fitted with Rumsey Pedestal Wash Down Urinals, Push Button Flush Valves, Nickel-plated Flush Pipes and Elbows, Cast Brass Floor Flange with Gasket, Bolts and Washers, Nickel-plated Partition Supports, Nickel-plated Clamps, Angles and Bolts.

Height, $4\frac{1}{2}$, 5 or $5\frac{1}{2}$ feet. Width, Center to Center of Partitions, 2 feet. Depth Inside, 2 feet.

Height.....feet	$4\frac{1}{2}$	5	$5\frac{1}{2}$
Price, as described, Single-Stall.....	63.00	65.25	68.25
" " " Two ".....	125.00	127.00	130.50
" " " Three ".....	187.50	190.25	194.50
" each additional Stall.....	62.50	63.25	64.00

VITREOUS PEDESTAL URINALS



Plate 708-H

Rumsey's Vitreous China Pedestal Wash Down Urinal, fitted with Rumsey's "Yesmur" Push Button Flush Valve with Loose Key Gate Valve, Nickel-plated Brass Flush Pipe and Coupling Nuts, Brass Floor Flange, Rubber Gasket, Bolts and Washers.

Approximate shipping weight, 125 pounds.

Price, as described	45.00
" " " without Loose Key Gate Valve.....	42.50

SLATE URINAL STALLS



Plate 709-H

Rumsey's Slate Urinal with 1-inch Backs, Ends, Partitions and Capping, 1¼-inch Countersunk Base; Backs and Ends to Floor; Partitions supported on Nickel-plated Brass Standards 12 inches high, Nickel-plated Clamps, Angles and Bolts, fitted with Vitreous China Syphon Jet Urinals with Concealed Inlet and Outlet, Concealed Push Button Flush Valves, Nickel-plated Floor Strainer with Coupling.

Height, 4½, 5 or 5½ feet. Width, Center to Center of Partitions, 2 feet. Depth Inside, 20 inches. From Wall to Front of Partitions, 27 inches.

Height.....feet	4½	5	5½
Price, as described, Single-Stall.....	74.00	76.25	78.75
“ “ “ Two “	132.00	134.50	137.00
“ “ “ Three “	201.50	206.50	211.50
“ each additional Stall.....	69.50	72.00	74.50

SLATE URINAL STALLS



Plate 710-H

Rumsey's Slate Urinal with 1-inch Backs, Ends, Partitions and Capping, 1¼-inch Countersunk Base; Backs and Ends to Floor; Center Partitions on Nickel-plated Brass Supports 12 inches high, Nickel-plated Clamps, Angles and Bolts; fitted with No. 2 Flat Back Lipped Bedfordshire Urinals, Nickel-plated Boston Self-Closing Urinal Cock, Nickel-plated Trap with Concealed Waste and Vent Connection, Nickel-plated Floor Strainer and Coupling. Base Slab does not extend to Wall.

Height, 4½, 5 or 5½ feet. Width, Center to Center of Partitions, 2 feet. Depth Inside, 20 inches. From Wall to Front of Partitions, 27 inches.

Height.....feet	4½	5	5½
Price, as described, Single-Stall.....	47.50	50.00	52.50
“ “ “ Two “	78.00	80.50	83.00
“ “ “ Three “	118.00	124.00	128.25
“ each additional Stall.....	40.00	43.50	45.25

SLATE URINAL STALLS

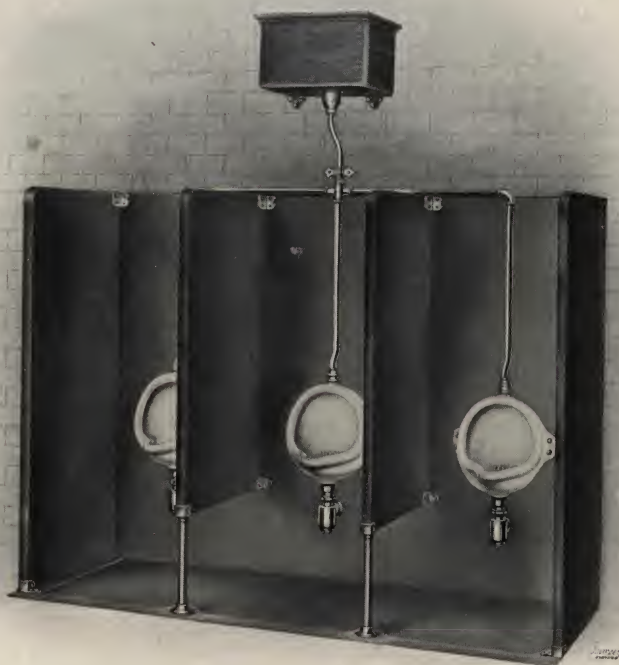


Plate 711-H

Rumsey's Slate Urinal with 1-inch Backs, Partitions and Ends, $1\frac{1}{4}$ -inch Countersunk Base, fitted with No. 2 F. B. Lipped Bedfordshire Urinals, "Yeteve" Automatic Oak Tank with Top Supply, Nickel-plated Flush Pipe and Inlet Connections, Nickel-plated Traps with Concealed Waste and Vent Connections, Nickel-plated Partition Supports, Clamps, Angles and Bolts, and Nickel-plated Waste Strainer and Coupling.

Height, $4\frac{1}{2}$, 5 or $5\frac{1}{2}$ feet. Width, Center to Center of Partitions, 2 feet. Depth Inside, 20 inches.

Height	feet	$4\frac{1}{2}$	5	$5\frac{1}{2}$
Price, as described, Single-Stall		51.25	53.75	56.25
" " " Two "		89.00	93.75	98.25
" " " Three "		130.00	135.00	140.00
" each additional Stall		41.00	41.25	41.75

URINAL STALLS
SLATE OR MARBLE



Plate 712-H

Three-Stall Urinal with 1-inch Slate Partitions, Ends and Back, 1½-inch Countersunk Base, Nickel-plated Brass Clamps and Bolts, Nickel-plated Brass Perforated Wash Down Pipe, Galvanized Cast Iron Gutter and "Yeteve" Copper-Lined Oak Automatic Tank with Brackets. Width from Center to Center of Partitions, 2 feet. Depth, 20 inches. Base projects 2 inches.

SLATE

Height of Stalls.....feet	4½	5	5½	6
Price, as described.....	87.50	91.50	95.50	99.50
" each additional Stall.....	27.50	29.00	30.50	32.00
" Single-Stall.....	37.00	39.50	42.00	44.50

MARBLE

Three-Stall Urinal as above described, with 7⁄8-inch Partitions and Ends Polished on Both Sides and 7⁄8-inch Back Polished on One Side only, and 1½-inch Countersunk Base.

Description.....	TENNESSEE MARBLE				ITALIAN MARBLE			
	4½	5	5½	6	4½	5	5½	6
Height of Stalls.....feet								
Price, as described.....	122.50	128.50	134.50	141.00	135.00	143.00	150.00	157.00
" each additional Stall.....	38.50	41.00	43.00	46.00	44.00	48.00	50.00	53.00
" Single-Stall.....	52.00	55.00	58.00	61.00	58.00	61.00	65.50	68.50

Urinals can be furnished with Outlet at either Right or Left-Hand End or in Center, but will be sent with Left-Hand Outlet, unless otherwise ordered.

Double-Urinal Stalls, similar to the above, with One Back for Two Stalls, can be furnished at 90 per cent more than the above prices.

URINAL STALLS

SLATE OR MARBLE



Plate 713-H

Three-Stall Urinal with 1-inch Slate Partitions, Ends and Back, 1½-inch Countersunk Base, Nickel-plated Brass Clamps and Bolts, Perforated Brass Wash Down Pipe with Stop Cock and Galvanized Cast Iron Gutter.

Width from Center to Center of Partitions, 2 feet. Depth Inside, 20 inches.

SLATE

Height of Stalls	feet	4½	5	5½	6
Price, as described		78.00	82.00	86.00	90.00
“ each additional Stall.....		24.50	26.00	27.50	29.00
“ Single Stall.....		33.00	35.50	38.00	40.50

MARBLE

Three-Stall Urinal as above described, with ⅞-inch Partitions and Ends Polished on Both Sides and ⅞-inch Back Polished on Inside only, and 1½-inch Countersunk Base.

Description.....	TENNESSEE MARBLE				ITALIAN MARBLE			
	4½	5	5½	6	4½	5	5½	6
Height of Stalls.....feet								
Price, as described	109.00	115.00	121.00	127.00	121.00	128.00	136.00	143.00
“ each additional Stall.....	35.00	37.00	40.00	42.00	38.50	41.50	44.50	47.50
“ Single Stall	46.00	49.00	52.00	55.00	52.00	55.00	59.00	63.00

Urinals can be furnished with Supply and Outlet at either Right or Left-Hand End or with Outlet in the Center, but will be sent with Left-Hand Outlet, unless otherwise ordered.

SLATE URINAL STALLS



Plate 714-H

Open Slate Urinal with 1-inch Slate Ends and Back, 1½-inch Countersunk Base with Galvanized Iron Gutter, with Waste Connections, Angles and Perforated Flush Pipe with Loose Key Stop Cock.

Ends and Back, 4 feet 6 inches High. Ends, 20 inches Deep.

Length.....feet	4	6	8	10	12
Price.....	54.00	70.00	80.00	90.00	110.00
Approximate Weight.....pounds	900	1200	1500	1800	2100

Urinals can be furnished of Soapstone. Prices on application.

Outlet can be furnished at Right or Left-Hand End, or Center of Stall, but will be sent as shown, with Outlet at Left-Hand End, unless otherwise specified.

ENAMELED IRON VENTILATED URINALS



Plate 715-H

Rumsey's Heavy Cast Iron Porcelain Enameled Ventilated Octagon Urinal Stall, arranged for Top and Bottom Ventilation; Concave Backs and Partitions cast in one piece, Trough in Two Pieces; fitted with Rumsey's "Yeteve" Automatic Oak Urinal Tank (not illustrated), Nickel-plated Flush Pipe and Spreaders, and two Nickel-plated Waste Strainers and Couplings. Waste Outlet, 3 inches.

Price, complete, as described..... 675.00

This stall fills the demand for a urinal that stands free from all walls and is accessible from all directions, and is specially designed for schools, railroad and comfort stations and other public institutions.

ENAMELED IRON VENTILATED URINALS

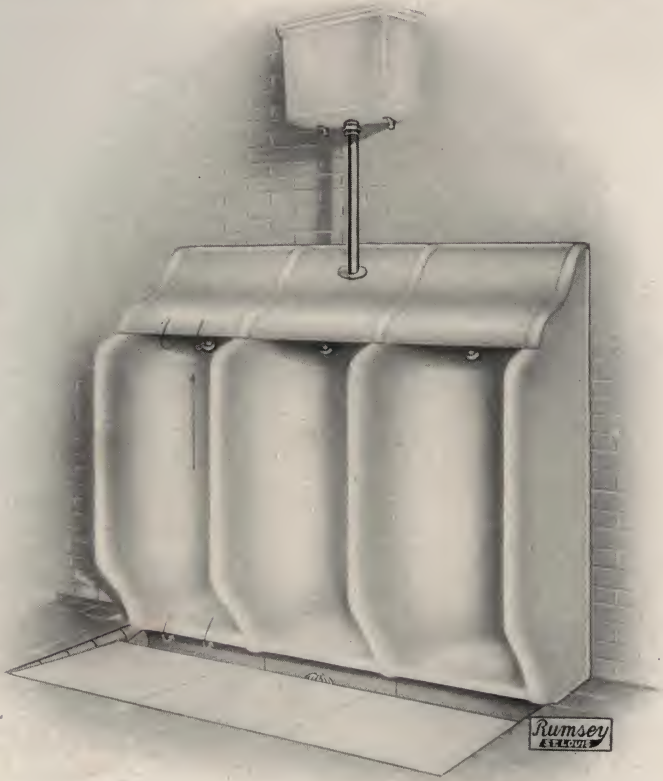


Plate 716-H

Rumsey's Porcelain Enameled Cast Iron Ventilated Urinal Stall arranged for Top and Bottom Ventilation, with Concave Back and Massive Partitions made in one piece, fitted with Cast Iron Automatic Tank Enameled Inside and Outside, Nickel-plated Brass Flush Pipe, Nickel-plated Brass Spreaders, White Glass Floor Slabs to be set so as to drain into Troughs, Brass Waste Strainer and Couplings.

There are two points of ventilation to each stall, at the bottom between trough and wall and at the top under the hood. Each section has a free vent area of 25 square inches.

Height from Floor to Top of Hood, 4 feet 5 inches. Width, Center to Center of Partitions, 20½ inches. Depth Over All, 20 inches. Outlet, 3 inches.

Price, as described, Two-Stall	206.00
“ “ “ Three “	298.00
“ each additional Stall.....	92.00

All fittings are of brass and where exposed heavily nickel-plated. This is an ideal urinal for comfort stations, hotels, office buildings, schools and public places.

ENAMELED IRON VENTILATED URINALS



Plate 717-H

Rumsey's Cast Iron Porcelain Enameled Ventilated Range Urinal with Enameled Backs, Partitions, Hood and Brackets, Perforated Brass Flush Pipe extending along Back with Loose Key Stop, $1\frac{1}{2}$ -inch Waste Strainers and Coupling.

Each stall has two points of ventilation, at the bottom between the bowl and back wall, and at the top under the hood. The ventilation from these two points is directed into the back of the urinal whence it passes up through the vent hood and galvanized iron vent pipe (not furnished) connecting with vent flue.

Price, as described, Two-Stall.....	112.00
“ each additional Stall.....	48.00

ENAMELED IRON URINALS

AUTOMATIC SYPHON EDUCATION

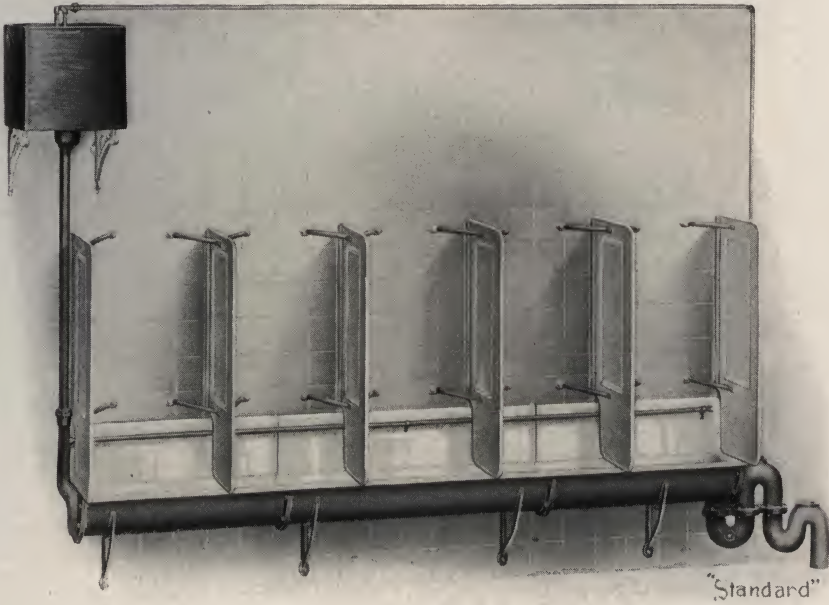


Plate 718-H

Automatic Syphon Education Urinal with Copper-Lined Wood Tank, Galvanized Iron Flush and Air Pipes, Pressed Steel Partitions 24 inches apart and Perforated Wash Down Pipe fitted along Back (Brass on Enameled and Galvanized Iron on Painted Urinals).

Length Feet	PRICE, AS DESCRIBED		Length Feet	PRICE, AS DESCRIBED	
	Painted	Enameled		Painted	Enameled
4	60.00	85.00	12	120.00	185.00
6	75.00	110.00	14	135.00	210.00
8	90.00	135.00	16	150.00	235.00
10	105.00	160.00	..	.....	.....

Longer Urinals can be furnished if desired. Prices upon application.
Painted Cast Iron Tank can be furnished without extra charge. Lead-Lined Tank can be furnished to order. Prices upon application.
If with Floor Brackets instead of Wall Brackets, add, each 1.00.
Unless otherwise ordered, Urinal with Enameled Interior and Outlet on right end will be sent.

ENAMELED IRON URINALS

AUTOMATIC SYPHON EDUCATION

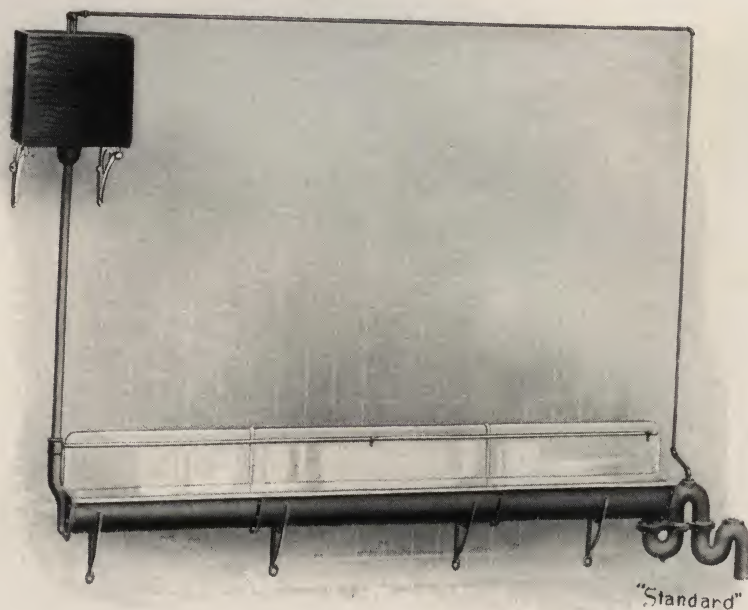


Plate 719-H

Automatic Syphon Education Urinal with Copper-Lined Wood Tank and Galvanized Iron Flush and Air Pipes, Perforated Wash Down Pipe fitted along Back, (Brass on Enameled, and Galvanized Iron on Painted Urinals.)

Length Feet	PRICE, AS DESCRIBED		Length Feet	PRICE, AS DESCRIBED	
	Painted	Enameled		Painted	Enameled
4	45.00	70.00	10	75.00	130.00
5	50.00	80.00	11	80.00	140.00
6	55.00	90.00	12	85.00	150.00
7	60.00	100.00	14	95.00	170.00
8	65.00	110.00	15	100.00	180.00
9	70.00	120.00	16	105.00	190.00

Longer Urinals can be furnished, if desired. Prices upon application.

Painted Cast Iron Tank can be furnished without extra charge. Lead-Lined Tank can be furnished to order. Prices upon application.

If with Floor Brackets instead of Wall Brackets, add, each, 1.00.

Unless otherwise ordered, Urinal with Enameled Interior and Outlet on right end will be sent.

ENAMELED IRON URINALS

AUTOMATIC SYPHON EDUCATION, LIPPED

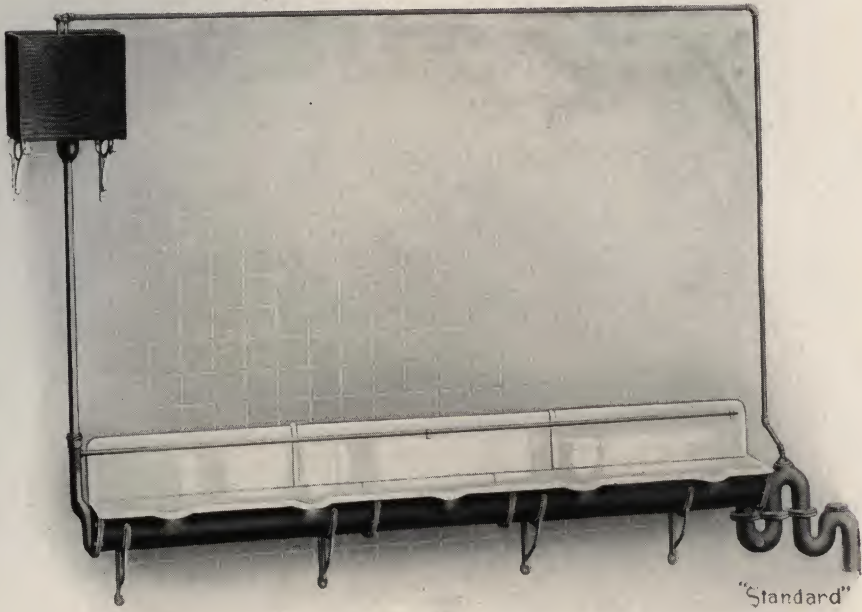


Plate 720-H

Automatic Syphon Education Lipped Urinal with Copper-Lined Wood Tank, Galvanized Iron Flush and Air Pipes, Perforated Wash Down Pipe fitted along Back, (Brass on Enameled, and Galvanized, Iron on Painted Urinals).

Length Feet	PRICE, PAINTED		PRICE, ENAMELED		Length Feet	PRICE, PAINTED		PRICE, ENAMELED	
	Without Partitions	With Partitions	Without Partitions	With Partitions		Without Partitions	With Partitions	Without Partitions	With Partitions
4	49.00	64.00	76.00	91.00	12	97.00	132.00	168.00	203.00
6	61.00	81.00	99.00	119.00	14	109.00	149.00	191.00	231.00
8	73.00	98.00	122.00	147.00	16	121.00	166.00	214.00	259.00
10	85.00	115.00	145.00	175.00	..	.....	.....	.....	.....

Longer Urinals can be furnished if desired. Prices upon application.
Painted Cast Iron Tank can be furnished without extra charge.
Lead-Lined Tank furnished to order. Prices upon application.
If with Floor Brackets instead of Wall Brackets, add, each..... 1.00
Unless otherwise ordered, Urinal with Enameled Interior and Outlet on right-hand end, as shown, will be sent.

ENAMELED IRON URINALS

AUTOMATIC FLUSHING RIM

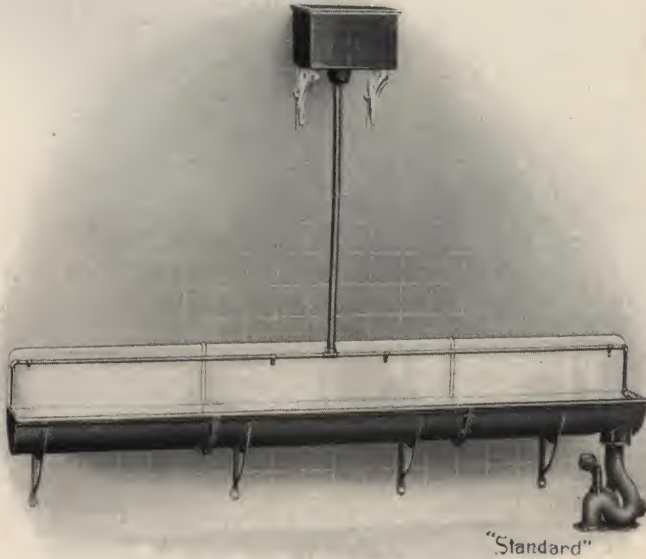


Plate 721-H

Automatic Flushing Rim Urinal with Automatic Copper-Lined Wood Tank and Galvanized Iron Flush and Air Pipes, Perforated Wash Down Pipes fitted along Back and Ends and Front of Urinal (Brass on Enameled, and Galvanized on Painted Urinals) with Heavy Brass Capping along Front.

Length Feet	PRICE, PAINTED		PRICE, ENAMELED		Length Feet	PRICE, PAINTED		PRICE, ENAMELED	
	Without Partitions	With Partitions	Without Partitions	With Partitions		Without Partitions	With Partitions	Without Partitions	With Partitions
4	41.00	56.00	61.00	76.00	12	81.00	116.00	141.00	176.00
5	46.00	.....	71.00	.....	14	91.00	131.00	161.00	201.00
6	51.00	71.00	81.00	101.00	16	101.00	146.00	181.00	226.00
7	56.00	.....	91.00	.....	18	111.00	161.00	201.00	251.00
8	61.00	86.00	101.00	126.00	20	121.00	176.00	221.00	276.00
10	71.00	101.00	121.00	151.00	....	.....	.....	.....	.....

Longer Urinals can be furnished. Prices upon application.

Trap Standard, Enameled inside, is furnished with Enameled Urinals. If without Trap Standard, deduct 5.00 from Enameled and 4.25 from Painted Urinals.

If with Floor Brackets instead of Wall Brackets, add, each, 1.00.

Brass Flush Pipe can be furnished, if desired. Price upon application.

Painted Cast Iron Tank can be furnished without extra charge. Lead-Lined Tank can be furnished to order. Prices upon application.

When Partitions are furnished they are set 24 inches apart.

Unless otherwise ordered, Urinal with Enameled Interior with Brass Wash Down Pipes and Outlet on right end, will be sent.

ENAMELED IRON URINALS

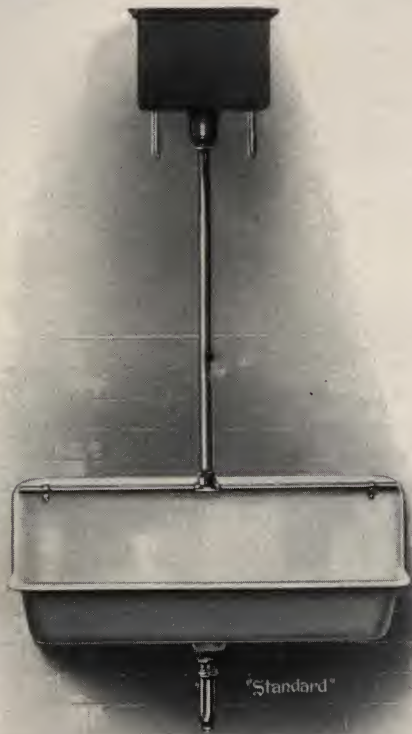


Plate 722-H

Enameled Iron Roll Rim Urinal with Integral Back, Concealed Wall Hanger, "Yeteve" Automatic Wood Tank complete with Fittings, Nickel-plated Brass Flush Pipe connected to Perforated Brass Wash Down Pipe, Brass Beehive Strainer and 1½-inch Nickel-plated Plain "P" Trap.

Length..... feet	2	2½	3	3½	4	5
Price, as described	32.00	36.50	38.50	40.50	42.50	48.00
" with Wash Down fitted along Back, Ends and Front.....	40.00	45.00	47.50	50.00	52.50	59.00

If without Trap, deduct 4.00

Furnished only with Center Outlet.
Waste Coupling for Lead Pipe is furnished on Urinal ordered without Trap.

ENAMELED IRON URINALS

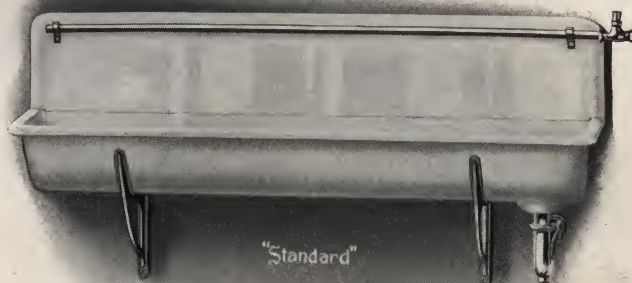


Plate 723-H

Enameled Iron Roll Rim Urinal with Separate Back, Painted Brackets, Bee Hive Strainer, Perforated Wash Down Pipe, (Brass on Enameled and Galvanized Iron on Painted Urinals), Loose Key Stop and Nickel-plated "P" Trap.

Length Feet	PRICE, AS DESCRIBED			
	Painted with Galvanized Wash Down Pipe	Enameled with Brass Wash Down Pipe	Painted without Trap, Wash Down Pipe and Stop	Enameled without Trap, Wash Down Pipe and Stop
2	14.00	17.50	8.00	10.50
2½	14.75	19.50	8.50	12.00
3	16.00	21.50	9.50	13.50
3½	17.25	23.50	10.50	15.00
4	18.50	25.50	11.50	16.50
5	21.00	31.00	13.50	21.00
6	24.00	37.00	16.00	26.00
7	27.00	43.00	18.50	31.00
8	30.00	49.00	21.00	36.00
9	33.00	55.00	23.50	41.00
10	36.00	61.00	26.00	46.00
12	42.00	73.00	31.00	56.00

Same Urinal, except with Wash Down Pipe fitted along Back, Ends and Front.

Length.....feet	2	2½	3	3½	4	5
Price, as described.....	25.50	28.00	30.50	33.00	35.50	42.00

If with Vent on Trap, add..... .50
 " without Trap, deduct..... 4.00

Urinals over 5 feet in length are made in two or more pieces.

Can be furnished with Outlet on Left End, but will be sent as shown, unless otherwise ordered.

Waste Coupling for Lead Pipe is provided when Urinal is furnished without Trap.

ENAMELED IRON URINALS

ROLL RIM, ONE PIECE



Plate 724-H

Enameled Iron Roll Rim Urinal with Integral Back, Concealed Wall Hanger, Brass Beehive Strainer and Perforated Wash Down Pipe with Loose Key Stop.

Length	feet	2	2½	3	3½	4	5
Price, Enameled, as described		13.50	15.50	17.50	19.50	21.50	27.00
“ “ without Brass Wash Down Pipe and Stop		10.50	12.00	13.50	15.00	16.50	21.00
“ “ Painted, as described		10.00	10.75	12.00	13.25	14.50	17.00
“ “ without Galvanized Wash Down Pipe and Stop		8.00	8.50	9.50	10.50	11.50	13.50
If Enameled All Over, add		3.50	4.00	4.50	5.00	5.50	7.00
“ with Perforated Wash Down Pipe fitted along Back, Ends and Front, add		8.00	8.50	9.00	9.50	10.00	11.00

If with 1½-inch Nickel-plated Trap, add 4.00

WITH TANK

Enameled Iron Roll Rim Urinal with Integral Back, Concealed Wall Hanger, Brass Beehive Strainer, Perforated Brass Wash Down Pipe, Automatic Wood Tank Complete with Fittings and Flush Pipe Connected to Wash Down Pipe.

Length	feet	2	2½	3	3½	4	5
Price, as described		28.00	32.50	34.50	36.50	38.50	44.00
If with Perforated Wash Down Pipe fitted along Back, Ends and Front, add		8.00	8.50	9.00	9.50	10.00	11.00

If with 1½-inch Nickel-plated Trap, add 4.00

ENAMELED IRON WASH SINKS

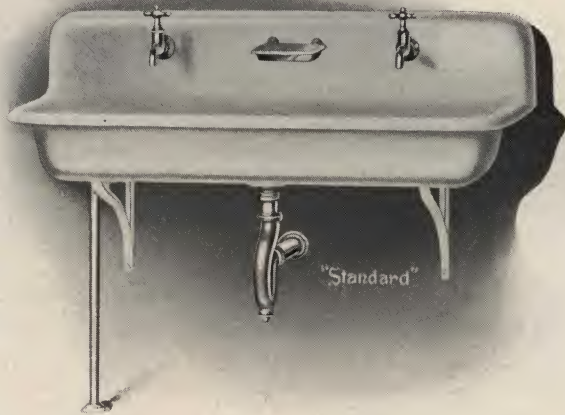


Plate 800-H

Enameled Iron Roll Rim Wash Sink, Sink and Back in one piece, Concealed Wall Hangers and Painted Brackets, Nickel-plated Boston Self-Closing Bibbs, $\frac{1}{2}$ -inch Galvanized Iron Supply Pipe, Nickel-plated Open Standing Waste, $1\frac{1}{2}$ -inch Nickel-plated Bag Trap and Soap Dish.

Width over Rim, 18 inches.

Width Inside, $13\frac{1}{4}$ inches.

Back, 8 inches.

Sizes.....	feet	3	4	5
Price, as described, Enameled Inside.....		29.00	34.00	39.00
“ less Bibbs and Trap, Enameled Inside.....		21.00	26.00	31.00
“ “ “ Trap and Supply Pipe, Enameled Inside.....		18.00	22.50	27.00
If without Bibbs, deduct, per pair.....				4.00
“ “ “ Trap “				4.00



Plate 801-H

The illustration above shows a combination of 5, 4 and 3-foot sinks. These integral units are very desirable, and having no joints are easily kept clean. In setting these in batteries space enough between the sections should be left, as shown in the illustration, to permit thorough cleaning.

ENAMELED IRON WASH SINKS



Plate 802-H

Enameled Iron Roll Rim Sectional Wash Sink, Separate Enameled Iron Back with Union Strips, Painted Iron Brackets, Soap Cups, Nickel-plated Fuller Adjustable Flanged Bibbs, Nickel-plated Open Standing Waste "P" Trap with Vent.

Regularly furnished with under side painted one coat.

Width Inside, 14 inches.

Width over Rim, 18 inches.

Back, 12 inches.

Length.....feet	3	4	5	6	8	10	12
Number of Bibbs.....	2	2	2	4	5	6	6
Price, as described.....	25.00	29.50	34.00	42.50	54.25	66.00	76.00
" without Bibbs and Trap.....	18.00	22.50	27.00	33.00	43.50	54.00	64.00
Length.....feet	14	15	16	18	20	22	24
Number of Bibbs.....	8	9	8	10	10	13	14
Price, as described.....	89.50	95.75	99.50	113.00	123.00	138.75	150.00
" without Bibbs and Trap.....	75.00	80.00	85.00	96.00	106.00	118.00	128.00
Length.....feet	25	26	28	30	35	....	....
Number of Bibbs.....	14	14	16	16	21	....	....
Price, as described.....	155.00	160.50	173.00	183.00	215.25	....	....
" without Bibbs and Trap.....	133.00	138.50	148.50	158.50	184.50	....	....

If Trap without Vent, deduct..... .50

All sinks 26 to 35 feet long have two outlets.

Can be furnished in longer lengths. Prices on application.

ENAMELED IRON WASH SINKS

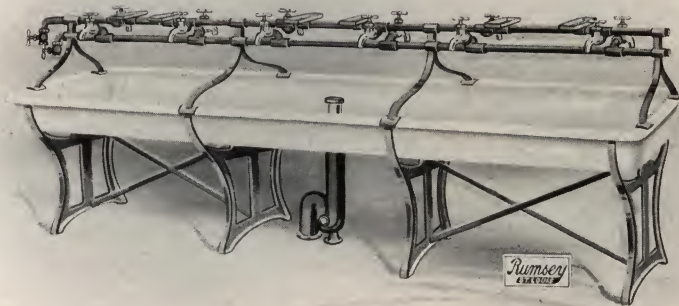


Plate 803-H

Rumsey's Cast Iron Porcelain Enameled Wash Sink on Cast Iron Supports, fitted with $\frac{3}{4}$ -inch Galvanized Supply Pipes for Hot and Cold Water, Finished Brass Compression Faucets, Galvanized Soap Dishes, Finished Brass Standing Overflow and Waste, and 2-inch Cast Iron Trap to Floor with Cleanout Screw.

Width, 24 inches. Height from Floor to Rim, 30 inches.
Depth Inside, at Waste, $7\frac{1}{2}$ inches.

Length.....feet	6	9	$10\frac{1}{2}$	12	15	18	21
Number of Faucets.....	8	12	14	16	20	24	28
Price.....	97.00	147.00	171.50	196.00	238.00	262.00	295.00

ENAMELED IRON WASH SINKS

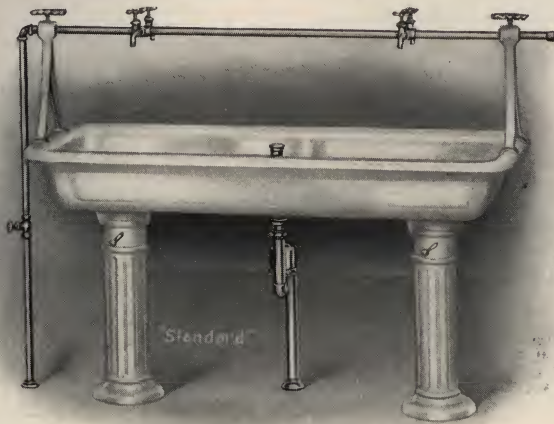


Plate 804-H

Enameled Iron Roll Rim Wash Sink on Painted Pedestals, Painted Pipe Supports, 3/4-inch Brass Supply Pipe *over Center of Sink, Nickel-plated Soap Dishes and Nickel-plated Open Standing Waste.

Regularly furnished with underside painted one coat.

Length.....	feet	3	4	5
Price, less Bibbs, Trap and Stop, 18 inches Wide		24.00	29.00	34.00
" " " " " " 24 " "		29.00	35.50	42.00
" " " " " " 27 " "		32.00	39.50	47.00

Extra for Bibbs, each, 1.00; 1 1/2-inch N. P. Positive Reseal Trap, 6.00; Rough Stop Cock, 1.00.

If with Hot Water Supply in addition to the Cold Water Supply, less Bibbs and Stop, as shown below, add 3.00 for 3-foot, 4.00 for 4-foot, and 5.00 for 5-foot.

*Pipe to floor not included.

Sink can be furnished to measure 26 or 31 inches from floor to top of rim. Specify when ordering.

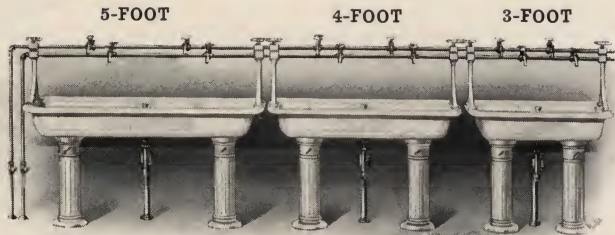


Plate 805-H

ENAMELED IRON WASH SINKS

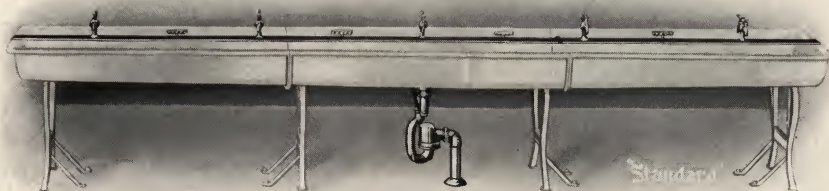


Plate 806-H

Enameled Iron Roll Rim Double Section Wash Sink Supported on Painted Floor Brackets, Special Pattern Nickel-plated Fuller Double Faucets, Nickel-plated Open Standing Waste, 1½-inch Nickel-plated "Reseal" Trap and Soap Dishes.

Width Inside, 14 inches.

Width Over All, 36 inches.

Length.....feet	5	6	8	10	12	14
Number of Double Faucets.....	2	4	5	6	6	8
Price, less Faucets and Trap	52.00	62.00	82.00	102.00	120.00	138.00
Length.....feet	15	16	18	20	22	24
Number of Double Faucets.....	9	8	10	10	13	14
Price, less Faucets and Trap	147.00	156.00	174.00	192.00	210.00	228.00

Add for Nickel-plated Post with Fuller Faucets, each 5.00
 " " " " Trap 12.00

Faucets can be fitted and spaced at any distance desired. When ordering, specify number wanted.

ENAMELED IRON WASH SINKS

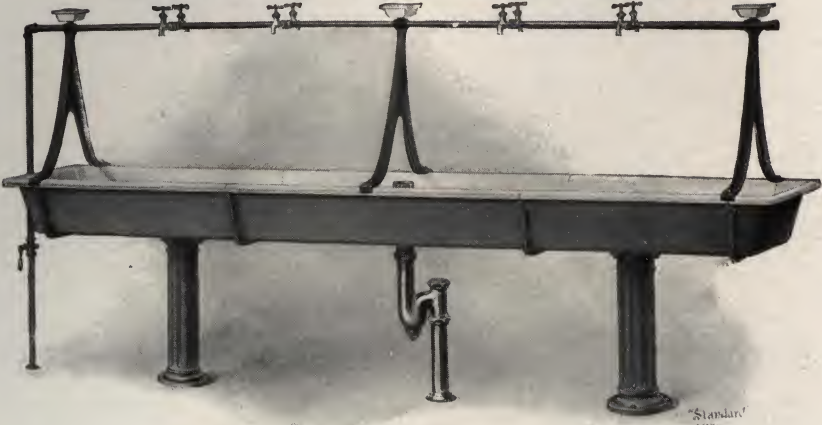


Plate 807-H

Enameled Inside Iron Roll Rim Sectional Wash Sink on Painted Iron Pedestals with 3/4-inch Brass Supply Pipe on Painted Iron Supports over Center of Sink, Nickel-plated Open Standing Waste and Overflow in Center Section, and Soap Dishes.

Length..... feet	3	4	5	6	7	8	9
Number of Bibbs.....	4	4	4	6	8	8	8
“ “ Supply Supports.....	2	2	2	2	3	3	3
Price, as described, 18 inches Wide ...	28.00	33.00	38.00	43.50	50.50	55.50	61.00
“ “ “ 24 “ “ “ ...	33.00	39.50	46.00	53.00	61.50	71.00	81.00
“ “ “ 27 “ “ “ ...	36.00	43.50	51.00	59.00	68.50	79.00	90.00
Length..... feet	10	11	12	13	14	15	16
Number of Bibbs.....	8	12	12	12	12	14	16
“ “ Supply Supports.....	3	4	4	4	4	4	4
Price, as described, 18 inches Wide ...	66.00	79.00	84.00	89.00	94.00	99.50	105.00
“ “ “ 24 “ “ “ ...	87.50	96.00	102.50	109.00	115.50	122.50	129.50
“ “ “ 27 “ “ “ ...	97.50	107.00	114.50	122.00	129.50	137.50	145.50
Length..... feet	17	18	19	20	21	22	23
Number of Bibbs.....	16	16	16	20	20	20	22
“ “ Supply Supports.....	5	5	5	5	6	6	6
Price, as described, 18 inches Wide	111.50	116.50	122.00	128.00	134.00	139.00	150.50
“ “ “ 24 “ “ “ ...	140.50	147.00	154.00	164.50	172.00	178.50	185.50
“ “ “ 27 “ “ “ ...	157.50	165.00	173.00	184.50	193.00	200.50	208.50
Length..... feet	24	25	26	27	28	29	30
Number of Bibbs.....	24	24	26	26	28	28	30
“ “ Supply Supports.....	6	6	6	6	7	7	7
Price, as described, 18 inches Wide	156.00	161.00	166.50	171.50	178.00	189.00	194.50
“ “ “ 24 “ “ “ ...	192.50	199.00	206.00	215.50	223.50	232.50	239.50
“ “ “ 27 “ “ “ ...	216.50	224.00	232.00	242.50	251.50	262.00	270.00

Above sinks may be furnished up to 66 feet long. Prices on application.
Above price lists do not include Bibbs, Rough Stop or Supply Pipe to Floor.
If with Finished Compression Bibbs, add, each 1.00
“ “ “ Brass “S” Trap, add..... 6.00
“ “ “ Rough Brass Stop, add..... 1.00
“ “ Hot Water Supply Pipe in addition to Cold Water Supply,
less Bibbs and Stop, add, per foot: Brass, 1.00; Galvanized Iron.. .50

ENAMELED IRON WASH SINKS

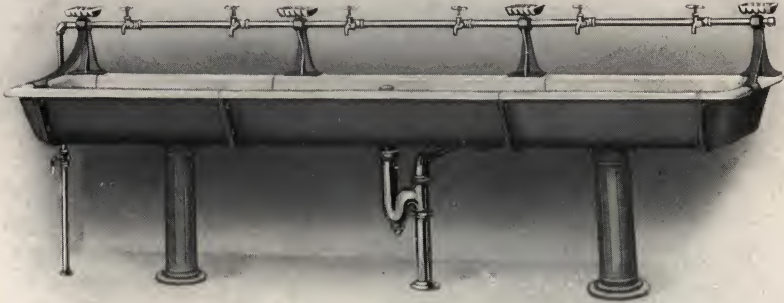


Plate 808-H

Enameled Iron Roll Rim Sectional Wash Sink on Painted Pedestals, Painted Pipe Supports and $\frac{3}{4}$ -inch Brass Supply Pipe over Back of Sink, Nickel-plated Soap Dishes, and Nickel-plated Open Standing Waste.

Furnished regularly with underside painted one coat.

Length Feet	Number of Bibbs	Number of Supply Supports	18 In. Wide	24 In. Wide	27 In. Wide	Length Feet	Number of Bibbs	Number of Supply Supports	18 In. Wide	24 In. Wide	27 In. Wide
3	2	2	28.00	33.00	36.00	17	8	5	111.50	140.50	157.50
4	2	2	33.00	39.50	43.50	18	8	5	116.50	147.00	165.00
5	2	2	38.00	46.00	51.00	19	8	5	122.00	154.00	173.00
6	3	2	43.50	53.00	59.00	20	10	5	128.00	164.50	184.50
7	4	3	50.50	61.50	68.50	21	10	6	134.00	172.00	193.00
8	4	3	55.50	71.00	79.00	22	10	6	139.00	178.50	200.50
9	4	3	61.00	81.00	90.00	23	11	6	150.50	185.50	208.50
10	4	3	66.00	87.50	97.50	24	12	6	156.00	192.50	216.50
11	6	4	79.00	96.00	107.00	25	12	6	161.00	199.00	224.00
12	6	4	84.00	102.50	114.50	26	13	6	166.50	206.00	232.00
13	6	4	89.00	109.00	122.00	27	13	6	171.50	215.50	242.50
14	6	4	94.00	115.50	129.50	28	14	7	178.00	223.50	251.50
15	7	4	99.50	122.50	137.50	29	14	7	189.00	232.50	262.00
16	8	4	105.00	129.50	145.50	30	15	7	194.50	239.50	270.00

Add for Compression Bibbs, each 1.00

“ “ Nickel-plated $1\frac{1}{2}$ -inch Vented “S” Trap 6.00

“ “ Rough Brass Stop 1.00

If with Hot Water Supply in addition to Cold Water Supply, less Bibbs
and Stops, add, per foot. 1.00

Pipe to floor not included.

Can be furnished in lengths up to 66 feet.

ENAMELED IRON WASH SINKS

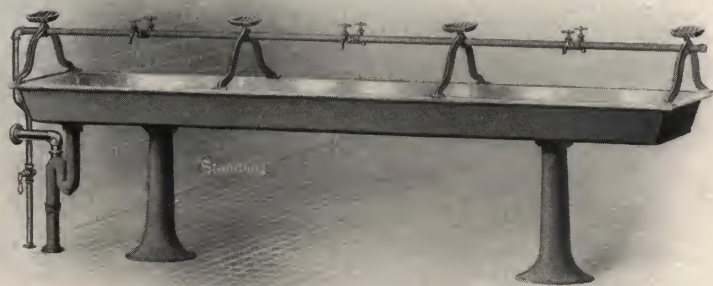


Plate 809-H

Extra Heavy Flat Rim Iron Wash Sink on Painted Pedestals, with 3/4-inch Galvanized Supply Pipe on Painted Supports over Center of Sink, Nickel-plated Open Standing Waste, Soap Dishes and 2-inch Painted Iron "S" Trap with Brass Vent.

Width over Rim, 24 inches.

Depth Inside, 6 inches.

Length..... feet	4	5	6	7	8	9	10
Number of Bibbs.....	4	4	4	6	6	6	6
" " Supply Supports.....	2	3	3	4	4	4	4
Price, as described, Enameled Inside....	24.50	36.00	41.00	.....	.....	.....	.....
" " " Painted.....	18.50	23.00	25.00	30.50	34.50	37.00	40.00

Above price lists do not include Bibbs, Rough Stop or Supply Pipe to Floor.

If with Finished Compression Bibbs, add, each.....	1.00
" " " Brass "S" Trap, add.....	6.00
" " Rough Brass Stop, add.....	1.00
" " Hot Water Supply Pipe in addition to Cold Water Supply, less Bibbs and Stop, add, per foot: Brass, 1.00; Galvanized Iron.....	.50

Trap may be furnished with Hub Vent at same price.

ENAMELED IRON WASH SINKS

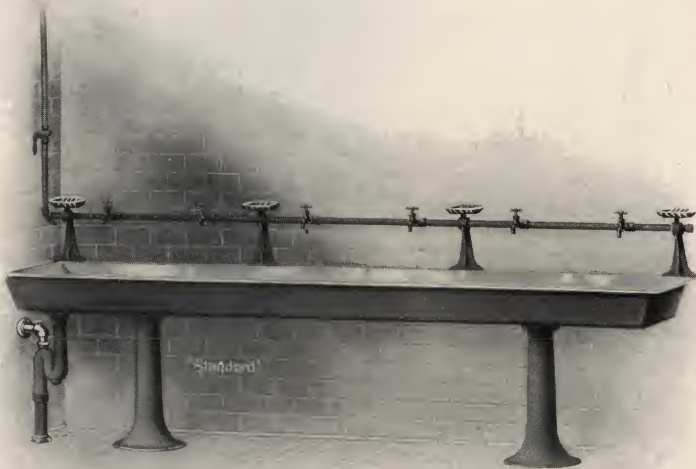


Plate 810-H

Extra Heavy Flat Rim Iron Wash Sink on Painted Pedestals, Painted Iron Supply Pipe Supports, $\frac{3}{4}$ -inch Galvanized Supply Pipe over Back of Sink, Nickel-plated Open Standing Waste, Soap Dishes and 2-inch Painted Iron "S" Trap with Brass Vent.

Width over Rim, 20 and 24 inches.

Depth Inside, 6 inches.

Length..... feet	4	5	6	7	8	9	10
Number of Bibbs.....	2	4	4	4	6	6	6
" " Supply Supports....	2	3	3	4	4	4	4
Price, Enam. Inside, 20 in. Wide	22.00	32.00	36.00	.....	.....	.....	.....
" " " 24 " "	24.50	36.00	41.00	.....	.....	.....	.....
" Painted " 20 " "	17.00	21.00	23.00	.....	.....	.....	.....
" " " 24 " "	18.50	23.00	25.00	30.50	34.50	37.50	40.00

Add for $\frac{1}{2}$ -inch Finished Brass Compression Bibbs, each..... 1.00

" " Rough Stop 1.00

If with Galvanized Iron Hot Water Supply Pipe in addition to Cold

Water Supply, less Bibbs, add, per foot..... .50

Supply Pipe to Ceiling not included in price.

PORCELAIN ROLL RIM SINKS



Plate 811-H

Rumsey's White Porcelain Roll Rim Sink with 9-inch Integral Back and Integral Drain Board with Rubber Mat, Porcelain Legs and Wall Supports, Nickel-plated Quick Action Compression Bibbs with China Lever Handles, Nickel-plated Standing Overflow and Waste and 1½-inch Nickel-plated Trap to Floor with Cast Brass Escutcheon.

Length Over All, 61 inches.

Wall to Front, 26 inches.

Back, 9 inches high.

	Class A	Class B
Price, as described.....	174.00	126.40
" Sink and Legs only.....	158.75	111.15
If without Rubber Drain Mat, deduct.....		3.00

This Sink can be furnished only with Left-Hand Drain Board as shown.

PORCELAIN ROLL RIM SINKS

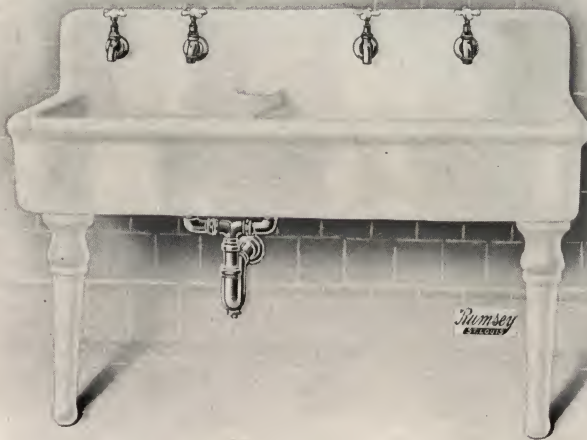


Plate 812-H

Rumsey's White Porcelain Roll Rim Sink with 9-inch Integral Back and Integral Partition and Soap Dish, Porcelain Legs with Wall Supports, Nickel-plated Compression Bibbs with China Indexed Handles, Nickel-plated Two-Way Waste Pipe and 1½-inch Nickel-plated Plain "P" Trap, Nickel-plated Plugs and Coupling.

Length Over All, 56 inches.

Left-Hand Sink, 18½x20x7½ inches.

Back, 9 inches High.

Front to Back, 26 inches.

Right-Hand Sink, 30x20x7½ inches.

Height from Floor, 30 inches.

Apron, 9 inches.

	Class A	Class B
Price, as described	174.00	129.00
" Sink and Legs only	152.50	108.25

PORCELAIN ROLL RIM SINKS



Plate 813-H

Porcelain Roll Rim Sink with Integral Back and Porcelain Legs, Nickel-plated Gooseneck Supply Fitting with Compression Valves with China Cross Handles, Nickel-plated Strainer and Coupling, 1½-inch Nickel-plated Trap to Wall, and Ash Drain Board with Nickel-plated Telescopic Leg.

Depth Inside, 7 inches.

Back, 9 inches.

Size.....inches	24x22	30x22	36x24	42x24
Price, as described, Class A.....	83.75	90.00	96.25	109.75
“ “ “ “ B.....	70.75	74.25	78.50	87.40
“ Sink and Legs only, Class A.....	41.25	52.50	58.75	71.25
“ “ “ “ “ B.....	32.35	36.75	41.15	49.75

Drain Board furnished 24 and 30 inches long for Right or Left-Hand End.

If with Quick Action Bibbs with China Handles, deduct..... 5.00

If without Drain Board and Leg, deduct..... 17.60

"PERFECTO" STONE SINKS



Plate 814-H

Rumsey's "Perfecto" Stone Kitchen Sinks with 16-inch High Back and Left-Hand End, Two Grooved Drain Boards each 18 inches Long, Two Polished Brass Legs and Wall Supports, Polished Brass Rim Binding, Two $\frac{5}{8}$ -inch Polished Brass Fuller Flanged Bibbs, Polished Brass Strainers and Couplings.

Size of Sink.....inches	18x24	20x30	20x36	22x42	24x30	24x36	24x48
Length Over All..... "	60	66	72	78	66	72	84
Price, as described	67.25	70.50	73.00	82.00	79.00	81.75	88.00
" without Polished Brass Rim...	59.75	62.00	64.00	72.00	70.00	72.25	77.25

If with Galvanized Legs instead of Polished Brass, deduct..... 4.00

NOTE.—When ordering, state if Sink is to have Right or Left-Hand End. Sink with Left-Hand End, as shown, will be sent unless otherwise specified.

“PERFECTO” STONE SINKS



Plate 815-H

Rumsey's "Perfecto" Stone Kitchen Sink with 16-inch High Back, Two Grooved Drain Boards each 18 inches Long, Three Polished Brass Legs and Wall Supports, Two 5/8-inch Polished Brass Flanged Fuller Bibbs, Polished Brass Strainer and Couplings.

Size of Sink.....inches	18x24	20x30	20x36	22x42	24x30	24x36	24x48
Length Over All....."	60	66	72	78	66	72	84
Price, as described	53.50	55.75	57.75	65.75	63.75	66.00	71.00
" with Polished Brass Rim	62.25	64.75	67.00	75.25	72.75	75.25	81.00

If with Galvanized Legs and Brackets instead of Polished Brass, deduct 6.00

"PERFECTO" STONE SINKS

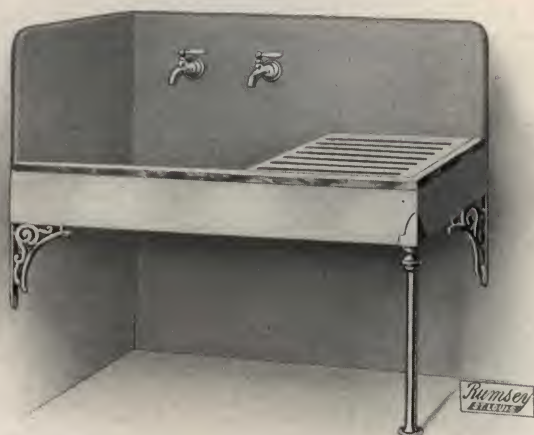


Plate 816-H

PLATE 816-H

Rumsey's "Perfecto" Stone Kitchen Sink with 16-inch High Back and Return End, Polished Brass Rim, Polished Brass Waste Strainer and Coupling, Polished Brass Leg and Brackets, and Two $\frac{5}{8}$ -inch Polished Brass Fuller Flanged Bibbs.

Size of Sink.....inches	18x24	20x30	20x36	22x42	24x30	24x36	24x48
Length Over All....."	48	54	60	66	54	60	72
Price, as described	48.50	50.50	52.50	56.35	55.50	57.50	61.25
" " " without Polished Brass Rim	42.50	44.25	46.00	49.60	49.25	51.00	54.00

If with Galvanized Leg and Brackets instead of Polished Brass, deduct 4.00

PLATE 817-H—Not Illustrated

Same as Plate 816-H but without Return Ends; fitted with Polished Brass Rim, Polished Brass Strainer and Coupling, Polished Brass Legs and Brackets, and Two $\frac{5}{8}$ -inch Polished Brass Fuller Flanged Bibbs.

Size of Sink.....inches	18x24	20x30	20x36	22x42	24x30	24x36	24x48
Length Over All....."	48	54	60	66	54	60	72
Price, as described	48.75	50.75	52.60	56.50	55.75	57.75	61.75
" " " without Polished Brass Rim	40.75	42.50	44.10	47.50	47.50	49.50	52.50

If with Galvanized Legs and Brackets instead of Polished Brass, deduct 5.00

“PERFECTO” STONE SINKS



Plate 818-H

PLATE 818-H

Rumsey's "Perfecto" Stone Kitchen Sink with 16-inch High Back and Return End, Polished Brass Leg and Brackets, Polished Brass Rim, Polished Brass Waste Strainer and Coupling, Two 5/8-inch Polished Brass Fuller Flanged Bibbs and Galvanized Soap Dish.

Size of Sink.....inches	18x24	20x30	20x36	22x42	24x30	24x36	24x48
Price, as described.....	34.00	35.50	37.00	40.00	38.50	40.50	45.25
" as described, without Polished Brass Rim	29.75	30.50	31.50	33.75	33.00	34.50	38.00

If with Galvanized Leg and Brackets instead of Polished Brass, deduct 3.00

PLATE 819-H—Not Illustrated

Same as Plate 818-H, but without Return End, fitted with Polished Brass Leg and Brackets, Polished Brass Rim, Polished Brass Strainer and Couplings, Two 5/8-inch Polished Brass Fuller Flanged Bibbs and Galvanized Soap Dish.

Size of Sink.. ..inches	18x24	20x30	20x36	22x42	24x30	24x36	24x48
Price, as described.....	35.00	36.50	35.25	41.50	39.75	43.00	46.75
" as described, without Polished Brass Rim	30.25	31.50	32.50	35.25	34.25	37.00	39.50

If with Galvanized Leg and Brackets instead of Polished Brass, deduct 4.00

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

(Patented)



Plate 820-H

Enameled Iron Roll Rim Sink with Back, Right and Left-Hand Drain Boards and Apron all in one piece, Concealed Wall Hangers, Enameled Adjustable Legs, Concealed Galvanized Air Chambers, Nickel-plated Fuller Adjustable Flange Bibbs, Nickel-plated Strainer and 1½-inch Nickel-plated P Trap.

Sizes	Sink	Drain Boards	Back	Apron	Length Over All	Width Over All
20x30	20¼x26¼	20¼x24	12	5½	74¼	20¼
22x36	22 x32	22 x23	12	6	78	22

Sizes.....	inches	20x30	22x36
Price, as described.....		76.50	81.50
“ less Fittings.....		68.00	73.00
“ extra for Rubber Drain Board Mats, each.....		3.75	4.00
If without Bibbs, deduct, per pair.....			2.50
“ “ Air Chambers, deduct, per pair.....			2.00
“ “ Trap, deduct.....			4.00
“ with Vent on Trap, add.....			.50

The legs that are regularly furnished allow rim of sink to be adjusted from 30 to 32 inches from floor.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

(Patented)



Plate 821-H

Enameled Iron Roll Rim Sink with Back, Left-Hand Drain Board and Apron all in one piece, Concealed Wall Hangers, Enameled Adjustable Legs, Concealed Galvanized Air Chambers, Nickel-plated Fuller Adjustable Flange Bibbs, Nickel-plated Strainer and 1½-inch Nickel-plated "P" Trap.

Sink Inches	Drain Board Inches	Back Inches	Apron Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	5½	52½	20¼
22x36	22x26	12	6	60½	22
Sizes				inches	
Price, as described.....					20x30 22x36
" less Fittings.....					50.50 60.50
					42.00 52.00

Furnished with Right-Hand Drain Board at same price.

If without Bibbs, deduct, per pair	2.50
" " Air Chambers, deduct, per pair.....	2.00
" " Trap, deduct.....	4.00
" with Vent on Trap, add .....	.50
" " Rubber Drain Board Mat, add.....	3.75

Legs that are regularly furnished allow rim of sink to be adjusted from 30 to 32 inches from floor.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

(Patented)



Plate 822-H

Enameled Iron Roll Rim Sink with Back, Left-Hand End Piece, Right-Hand Drain Board and Apron all in one piece, Concealed Wall Hangers, Enameled Adjustable Leg, Concealed Galvanized Air Chambers, Nickel-plated Fuller Adjustable Flange Bibbs, Nickel-plated Strainer and 1½-inch Nickel-plated "P" Trap.

Sink Inches	Drain Board Inches	Back Inches	Apron Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	5½	52½	20¼
22x36	22x26	12	6	60½	22

Sizes.....	inches	20x30	22x36
Price, as described		51.50	61.50
" less Fittings		43.00	53.00

Furnished with Right-Hand End Piece and Left-Hand Drain Board at same price.

If without Bibbs, deduct, per pair	2.50
" " Air Chambers, deduct, per pair	2.00
" " Trap, deduct.....	4.00
" with Vent on Trap, add.....	.50
" " Rubber Drain Board Mat, add.....	3.75
" " Compression Bibbs with Four-Ball China Index Handles and Stuffing Boxes, add.....	.50

Leg that is regularly furnished allows rim of sink to be adjusted from 30 to 32 inches from floor.

ENAMELED IRON ROLL RIM SINKS
ONE PIECE
(Patented)



Plate 823-H

Enameled Iron Roll Rim Sink with Back, Left-Hand End Piece, Left-Hand Drain Board and Apron all in one piece, Concealed Wall Hangers, Enameled Adjustable Leg, Concealed Galvanized Air Chambers, Nickel-plated Fuller Adjustable Flange Bibbs, Nickel-plated Strainer and 1½-inch Nickel-plated "P" Trap.

Sink Inches	Drain Board Inches	Back Inches	Apron Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	5½	52½	20¼
22x36	22x26	12	6	60½	22

Sizes inches 20x30 22x36

Price, as described 51.00 61.00

“ less Fittings 42.50 52.50

Furnished with Right-Hand End Piece and Right-Hand Drain Board at same price.

If without Bibbs, deduct, per pair.....	2.50
“ “ Air Chambers, deduct, per pair.....	2.00
“ “ Trap, deduct.....	4.00
“ with Vent on Trap, add.....	.50
“ “ Rubber Drain Board Mat, add.....	3.75
“ “ Compression Bibbs, with Six-Ball China Index Handles and Stuffing Boxes, add.....	1.00

Leg that is regularly furnished allows rim of sink to be adjusted from 30 to 32 inches from floor.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

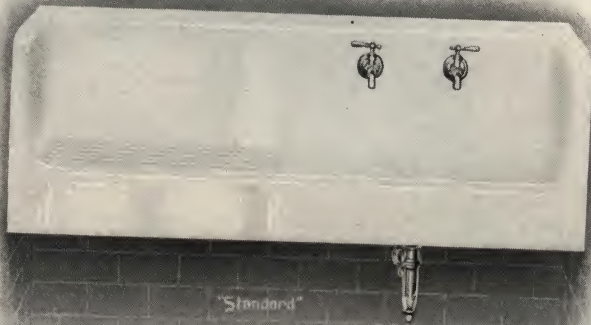


Plate 824-H

Enameled Iron Roll Rim Recess Sink with Back, End Pieces, Apron and Left-Hand Drain Board all in one piece, Concealed Wall Hangers, Concealed Galvanized Air Chambers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Strainer and Coupling and $1\frac{1}{2}$ -inch Nickel-plated "P" Trap.

Sink Inches	Drain Board Inches	Back Inches	Apron Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	$5\frac{1}{2}$	$52\frac{1}{2}$	$20\frac{1}{4}$
22x36	22x26	12	$5\frac{1}{2}$	$60\frac{1}{2}$	22
Size.....				.....inches	20x30 22x36
Price, as described.....					53.50 63.50
" less Fittings.....					45.00 55.00

Furnished with Right-Hand Drain Board if desired. Specify in ordering.

If without Bibbs, deduct, per pair.....	2.50
" " Air Chambers, deduct, per pair.....	2.00
" " Trap, deduct.....	4.00
" with Vent on Trap, add.....	.50
" " Rubber Drain Board Mat, add.....	3.75

ENAMELED IRON ROLL RIM SINKS

ONE PIECE
(Patented)

WITH APRON, BACK AND LEFT-HAND END

WITH BACK AND LEFT-HAND END

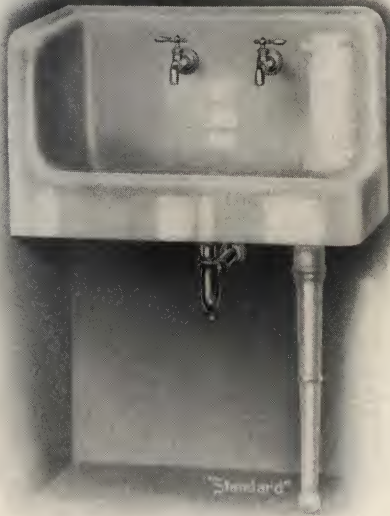


Plate 825-H

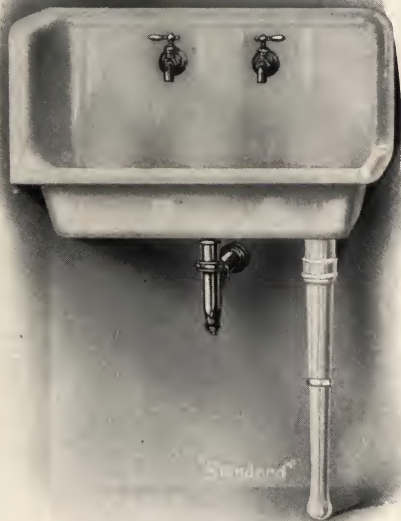


Plate 826-H

PLATE 825-H

Enameled Iron Roll Rim Sink with 12-inch Back, Right or Left-Hand End and Apron all in one piece, Enameled Adjustable Leg, Concealed Wall Hangers, N. P. Fuller Flange Bibbs, Concealed Galvanized Air Chambers, N. P. Strainer and 1½-inch "P" Trap.

Size	18x30	20x30	20x36	20x40	22x36	22x42
Price, as described ..	20.75	21.25	22.50	23.25	25.00	26.25
" less Fittings	12.25	12.75	14.00	14.75	16.50	17.75
If without Enameled Leg, deduct.....						2.25

PLATE 826-H

Enameled Iron Roll Rim Sink with 12-inch Back and Right or Left-Hand End all in one piece, Painted Adjustable Leg, Concealed Wall Hangers, N. P. Fuller Flange Bibbs, Concealed Galvanized Air Chambers, N. P. Strainer and 1½-inch "P" Trap.

Size	16x24	18x24	18x30	18x36	20x30	20x36	20x40	22x36	22x42
Price, as described ..	20.75	21.25	22.50	24.25	23.25	25.00	27.25	26.25	28.50
" less Fittings ..	12.25	12.75	14.00	15.75	14.75	16.50	18.75	17.75	20.00
If without Painted Leg, deduct .....									.75
" with Enameled Leg, add.....									1.50
If without Bibbs, deduct, per pair									2.50
" " Air Chambers, deduct, per pair									2.00
" " Trap, deduct.....									4.00
" with Vent on Trap, add.....									.50

The leg that is regularly furnished allows rim of sink to be adjusted from 30 to 32 inches from the floor.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

(Patented)

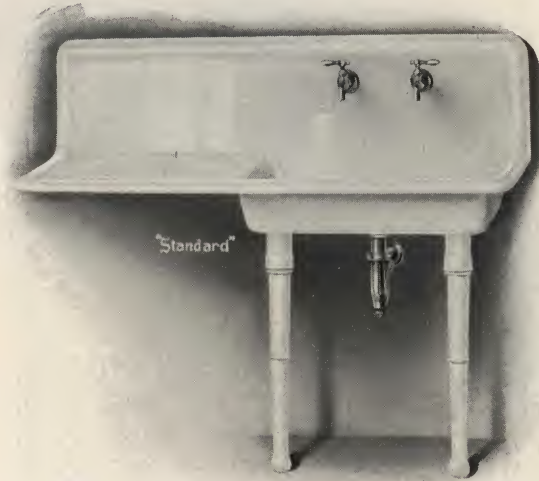


Plate 827-H

Enameled Iron Roll Rim Sink with Back and Left-Hand Drain Board all in one piece, Concealed Wall Hangers, Painted Adjustable Legs, Nickel-plated Fuller Adjustable Flange Bibbs, Concealed Galvanized Air Chambers, Nickel-plated Strainer and 1½-inch Nickel-plated "P" Trap without Vent.

Sink Inches	Drain Board Inches	Back Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	52	20¼
22x36	22x26	12	60	22

Sizes.....inches	20x30	22x36
Price, as described	39.50	49.50
" less Fittings, except Strainer	31.00	41.00

Furnished with Right-Hand Drain Board at same price.

If Right or Left-Hand End Piece and One Leg, add.....	4.25
" with Enameled Adjustable Legs, add, per pair.....	3.00
" " Rubber Drain Board Mat, add.....	3.75
" without Bibbs, deduct, per pair.....	2.50
" " Air Chambers, deduct, per pair.....	2.00
" " Trap, deduct	4.00
" with Vent on Trap, add.....	.50

Legs that are regularly furnished allow rim of sink to be adjusted from 30 to 32 inches from floor.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

(Patented)



Plate 828-H

Enameled Iron Roll Rim Sink with Back, Left-Hand End Piece and Right-Hand Drain Board all in one piece, Concealed Wall Hangers, Painted Adjustable Legs, Nickel-plated Fuller Adjustable Flange Bibbs, Concealed Galvanized Air Chambers, Nickel-plated Strainer and 1½-inch Nickel-plated "P" Trap without Vent.

Sink Inches	Drain Board Inches	Back Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	52	20¼
22x36	22x26	12	60	22

Sizesinches 20x30 22x36

Price, as described 43.75 53.75

" less Fittings, except Strainer..... 35.25 45.25

Furnished with Left-Hand Drain Board and Right-Hand End Piece at same price.

If with Enameled Adjustable Leg, add, each.....	1.50
" " Rubber Drain Board Mat, add.....	3.75
" without Bibbs, deduct, per pair.....	2.50
" " Air Chambers, deduct, per pair.....	2.00
" " Trap, deduct.....	4.00
" with Vent on Trap, add.....	.50

The legs that are regularly furnished allow rim of sink to be adjusted from 30 to 32 inches from floor.

ENAMELED IRON ROLL RIM SINKS
ONE PIECE



Plate 829-H

Enameled Iron Roll Rim Recess Sink with Back, End Pieces and Right-Hand Drain Board all in one piece, Concealed Wall Hangers, Concealed Galvanized Air Chambers, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Strainer and Coupling and 1½-inch Nickel-plated "P" Trap.

Size Inches	Drain Board Inches	Back Inches	Length Over All Inches	Width Over All Inches
20x30	20x24	12	52½	20¼
22x36	22x26	12	60	22
Size			inches	
Price, as described				
“ less Fittings				
Furnished with Left-Hand Drain Board if desired. Specify in ordering.				
If without Bibbs, deduct, per pair				2.50
“ “ Air Chambers, deduct, per pair				2.00
“ “ Trap, deduct				4.00
“ with Vent on Trap, add .....				.50
“ “ Rubber Drain Board Mat, add				3.75

ENAMELED IRON ROLL RIM SINKS

SEPARATE BACK

(Patented)

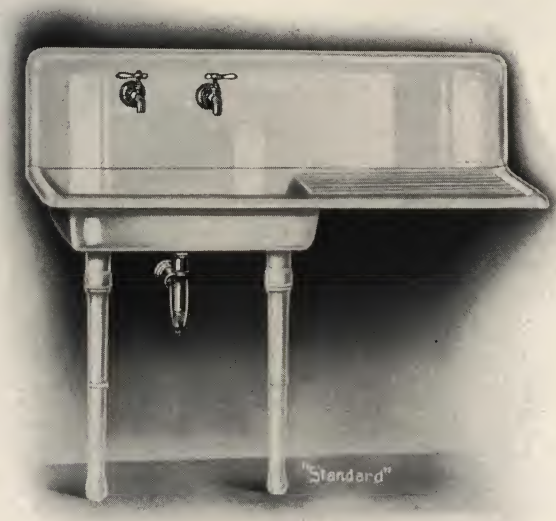


Plate 830-H

Enameled Iron Roll Rim Sink, Sink and Right-Hand Drain Board in one piece, Separate Enameled Back extending over Sink and Drain Board, Painted Iron Adjustable Legs, Nickel-plated Fuller Adjustable Flanged Bibbs, Concealed Galvanized Air Chambers, Nickel-plated Strainer and 1½-inch "P" Trap without Vent.

Sink, 20x30 inches. Drain Board, 20x24 inches. Back, 15 inches.
Length Over All, 52½ inches. Width Over All, 20¼ inches.

Price, as described.....	30.00
" less Fittings.....	21.50
If with Enameled Legs, add per pair.....	3.00
" " Compression Bibbs with China Index Handles, add.....	1.00
" " Rubber Drain Board Mat, add	3.75
" " Vent on Trap, add .....	.50
" without Fuller Bibbs, deduct, per pair.....	2.50
" " Air Chambers, "	2.00
" " Trap, deduct.....	4.00

The legs that are regularly furnished allow rim of sink to be adjusted from 30 to 32 inches from floor.

Sink also furnished with Left-Hand Drain Board. In ordering, specify whether right or left is wanted.

ENAMELED IRON ROLL RIM SINKS**SEPARATE BACK AND END PIECE**

(Patented)



Plate 831-H

Enameled Iron Roll Rim Sink, Sink and Right-Hand Drain Board in one piece, Separate Enameled Iron Back and Left-Hand End Piece, Painted Adjustable Leg, Nickel-plated Fuller Flanged Bibbs, Concealed Galvanized Air Chambers, Nickel-plated Strainer and 1½-inch Nickel-plated "P" Trap without Vent.

Sink, 20x30 inches. Drain Board, 20x24 inches. Back, 15 inches.
Length Over All, 52½ inches. Width Over All, 20¼ inches.

Price, as described	31.50
" less Fittings	23.00

If with Enameled Leg, add	1.50
" " Compression Bibbs with China Index Handles, add	1.00
" " Rubber Drain Board Mat, add	3.75
" " Vent on Trap, add .....	.50
" without Bibbs, deduct, per pair	2.50
" " Air Chambers, deduct, per pair	2.00
" " Trap, deduct	4.00

The leg regularly furnished allows rim of sink to be adjusted from 30 to 32 inches from floor.

Sink also made with left-hand drain board and right-hand end. In ordering, specify which is wanted.

ENAMELED IRON ROLL RIM SINKS

ONE PIECE

(Patented)

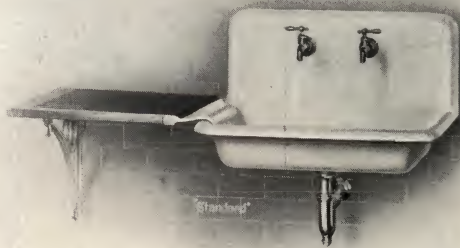


Plate 834-H

Enameled Iron Roll Rim Sink with 12-inch Back in one piece, Concealed Wall Hanger, 18-inch Interchangeable Ash Drain Board with Porcelain Enameled End on Painted Support, Fuller Adjustable Flange Bibbs, Concealed Galvanized Air Chambers, Nickel-plated Strainer and 1½-inch "P" Trap.

Size.....inches	16x24	18x24	18x30	18x36	20x30	20x36	20x40	22x30	22x36	22x42
Price, as described	18.75	19.00	20.25	22.00	21.00	22.75	25.00	22.50	24.00	26.25
“ less Fittings	10.25	10.50	11.75	13.50	12.50	14.25	16.50	14.00	15.50	17.75



Plate 835-H

Enameled Iron Roll Rim Sink with 12-inch Back in one piece, Concealed Wall Hanger, 24-inch Interchangeable Enameled Drain Board on Support, Fuller Adjustable Flange Bibbs, Concealed Galvanized Air Chambers, N. P. Strainer and 1½-inch "P" Trap.

Size.....inches	16x24	18x24	18x30	18x36	20x30	20x36	20x40	22x30	22x36	22x42
Price, as described	19.50	20.00	21.25	23.00	22.00	23.75	26.00	23.50	25.00	27.25
“ less Fittings	11.00	11.50	12.75	14.50	13.50	15.25	17.50	15.00	16.50	18.75

CAST IRON SINKS
REGULAR FLAT RIM



Plate 836-H



Plate 837-H

These sinks are also made with a new style strainer as shown, with tailpiece for brass trap. The grate in this strainer may be removed and a rubber plug inserted.

Size Inches	PRICE, EACH		Size Inches	PRICE, EACH	
	Enameled	Painted		Enameled	Painted
12x12	2.15	1.00	20x 30	4.50	3.00
12x16	2.25	1.10	20x 36	5.25	3.70
12x18	2.40	1.25	20x 38	5.50	3.80
12x20	2.65	1.40	22x 36	5.50	3.80
14x14	2.50	1.35	20x 40	5.75	4.00
14x20	3.00	1.50	20x 42	6.00	4.25
14x22	3.10	1.60	20x 48	6.75	5.25
14x24	3.15	1.70	22x 42	6.25	4.75
15x23	3.15	1.70	22x 48	7.50	5.75
15x27	3.65	2.00	23x 42	6.50	5.00
16x16	2.65	1.50	23x 48	7.50	5.75
16x20	3.15	1.70	24x 48	7.75	6.00
16x24	3.25	1.90	24x 50	9.00	7.50
16x28	3.75	2.10	20x 60	25.00	10.00
16x30	3.90	2.25	24x 60	30.00	12.00
18x22	3.25	2.00	22x 62	30.00	12.00
18x24	3.50	2.10	20x 72	33.00	13.00
18x30	4.25	2.50	24x 72	35.00	15.00
18x32	4.65	2.75	24x 84	.....	17.00
18x36	4.75	3.25	24x 96	.....	19.00
20x24	3.75	2.40	24x108	.....	21.00
20x28	4.00	2.70	24x120	.....	24.00

If with overflow, add 1.50. If with overflow and plug strainer, add.... 2.00
If with overflow, nickel-plated strainer and rubber stopper, add..... 2.00
Galvanized sinks, prices on application.

ENAMELED IRON SINK BACKS AND ENDS

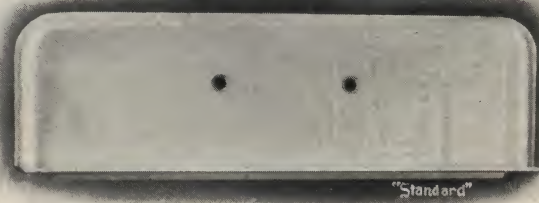


Plate 838-H

SHALLOW PATTERN, FOR FLAT RIM SINKS

12 Inches High, 1¼ Inches Deep

Length.....inches	16	18	20	22	24	28	30	32	36	40	42	48
Price.....each	1.50	1.65	1.80	2.00	2.20	2.60	2.80	3.00	3.40	3.80	4.00	5.00

DEEP PATTERN, FOR ROLL OR FLAT RIM SINKS

12 Inches High, 2¼ Inches Deep

Length.....inches	24	30	36	40	42
Price.....each	2.50	3.00	3.75	4.25	4.50

DEEP PATTERN BACKS

15 Inches High, 2¼ Inches Deep

Length.....inches	24	30	36	42	48	54	60	66
Price.....each	3.00	3.75	4.50	5.25	7.00	7.75	8.50	10.50

12-INCH BACK AND END PIECE



Plate 839-H

Width of Sink.....inches	16	18	20	22
Price End Piece only, Deep Pattern, 15 inches High...each	1.75	2.00	2.25	2.50
“ “ “ “ Shallow Pattern 12 inches High “	1.50	1.75	2.00	2.25

In ordering, state whether right or left-hand end piece is desired.

DRAIN BOARDS AND MATS

DRAIN BOARDS

ENAMELED IRON—INTERCHANGEABLE



Plate 840-H

HARD WOOD—INTERCHANGEABLE



Plate 841-H

ENAMELED IRON—With Painted Bracket or Wall Hanger

Width.....inches	16	18	20	22
Price, 18 inches Long.....each	3.00	3.25	3.50	3.75
“ 24 “ “.....“	3.50	3.75	4.00	4.25

HARD WOOD—With Concealed Bracket

Size.....inches	18x18	20x18	22x18	18x24	20x24	22x24
Price.....each	2.25	2.50	2.75	2.50	2.75	3.00

HARD WOOD—INTERCHANGEABLE
WITH ENAMELED END

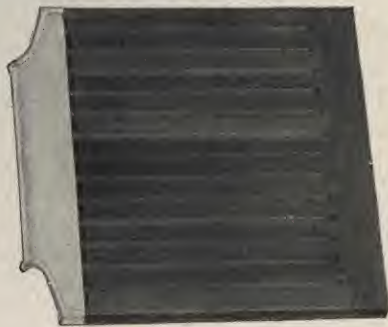


Plate 842-H

HARD WOOD—WITH NICKEL-PLATED BACK
HINGES AND TELESCOPE LEG

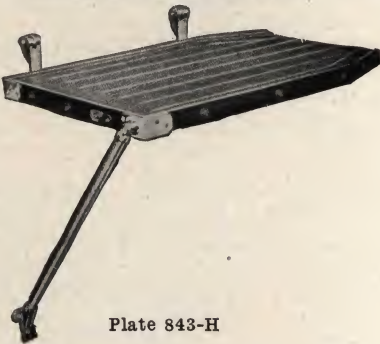


Plate 843-H

HARD WOOD—Interchangeable, with Enameled End

Size.....inches	18x18	20x18	22x18	18x24	20x24	22x24	18x30	20x30	22x30
Price.....each	2.25	2.50	2.75	2.75	3.00	3.25	3.50	3.75	4.00

HARD WOOD—With Back Hinges and Telescope Leg

Prices upon application, giving length and width desired.



Plate 844-H

RUBBER MATS FOR ENAMELED
IRON DRAIN BOARDS

For Drains Measuring in Width . . inches	18	20	22
Price, for Drains 18 inches Long, each	2.75	3.00	3.25
“ “ “ 24 “ “ “	3.50	3.75	4.00

FOR DRAIN BOARDS CAST INTEGRAL WITH
SINK

Size.....inches	20x24	22x23
Price.....each	3.75	4.00

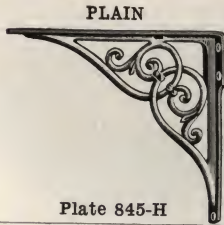
SINK FITTINGS**SINK BRACKETS
ADJUSTABLE**

Plate 845-H



Plate 846-H

CAMPBELL EXTENSION

Plate 847-H

Style.....	PLAIN		ADJUSTABLE		Campbell
Number.....	1	2	81	91	.....
Size.....inches	14x16	16x18	13x15	14x16	.....
Price, Painted.....per pair	.60	.70	.60	.70	1.00
" Galvanized....."	1.00	1.10	.85	.95	.....

COMBINED SINK STRAINER AND PLUG**OPEN STRAINER**

Plate 848-H

**PLUG STRAINER WITH
RUBBER STOPPER**

Plate 849-H

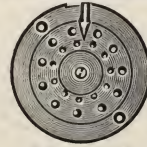


Plate 850-H

SINK STRAINERS

Description.....	Painted	Galvanized	Enameled	Pol. Brass	Brass, N. P.
Price, Open Strainers.....per dozen	1.50	2.60	3.00	3.75	4.00
" Plug "....."	3.25	5.00	10.00	7.00	8.00
Comb. Strainers and Plugs.....each	.....	.....	.....	.....	.80

**SINK COUPLING SINK COUPLING, TAPPED FOR IRON PIPE
FOR LEAD PIPE**

Plate 851-H



Plate 852-H

SINK BOLT

Plate 853-H

SINK COUPLINGS

Price, for Lead Pipe, Painted. per doz.	1.25	Price, 1¼ or 1½-in. I. P., Painted. . each	.75
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SINK BOLTS

Description.....	Iron	Brass	Brass, N. P.
Price.....per dozen	.40	1.00	1.25
".....per 100	2.00	5.00	6.25

**AIR
CHAMBER**

Plate 854-H

GALVANIZED AIR CHAMBERS

Price, Tapped ½-inch Inlet, ¾-inch Outlet.....per pair	1.50
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PUMP BRACKETS

For Flat or Roll Rim Sinks

Bolt holes center to center, 3⅞, 3¾, 4⅞
and 4¼ inches.

Price, Painted.....each	2.50
" Galvanized....."	3.00
" Painted White Enamel .. "	3.50

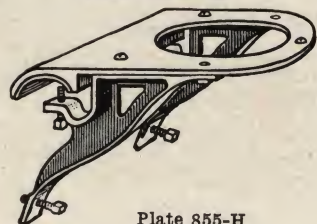
PUMP BRACKET

Plate 855-H

COPPER AND GERMAN SILVER PANTRY SINKS

OVAL
WITH PATENT OVERFLOW AND PLUG



Plate 859-H

SQUARE
WITH PATENT OVERFLOW AND PLUG



Plate 860-H

Size	inches	12x18	12x20	14x16	14x20	14x24	16x24	16x30	18x30
Price, Oval, Copper	each	8.00	8.50	9.00	9.50	11.00	12.00	14.00	15.00
“ “ German Silver.....	“	12.50	13.50	14.50	15.00	18.00	20.00	23.00	25.00
“ Square, Copper.....	“	4.50	5.00	4.50	6.00	7.00	8.00	10.00	11.00
“ “ German Silver.....	“	9.00	10.00	9.00	12.00	14.00	16.00	20.00	22.00

If sinks are wanted without patent overflow and waste plug, deduct 2.00.

SQUARE
WITH STANDING OVERFLOW AND WASTE

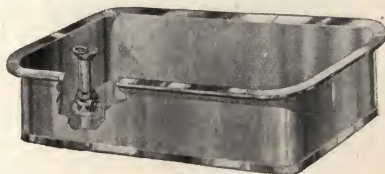


Plate 861-H

RECESS
WITH STANDING OVERFLOW AND WASTE



Plate 862-H

Size	inches	12x18	12x20	14x16	14x20	14x24	16x24	16x30	18x30
Price, Square, Copper.....	each	7.00	7.50	7.00	8.25	9.25	10.00	12.00	13.00
“ “ German Silver.....	“	14.00	15.00	14.00	16.50	18.50	20.00	24.00	26.00
“ Recess, Copper.....	“	.....	.....	.....	15.00	16.00	17.50	19.50	21.00
“ “ German Silver.....	“	.....	.....	.....	26.50	29.00	31.50	34.50	36.50

If waste is wanted silver-plated, add 2.00.

WITH BACK AND GROOVED WOODEN DRAIN BOARD

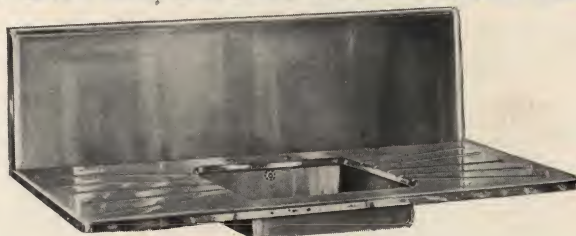


Plate 863-H

Oval or square sinks fitted up with one or two drain boards, back, end pieces or for recess in any size required, covered with copper or German silver. When ordering, give outside measurements, length, width, height of back, length of drain board, size and style of sink. Prices on application.

PORCELAIN SLOP SINKS

WITH INTEGRAL BACK

ALL ROLL RIM



Plate 864-H

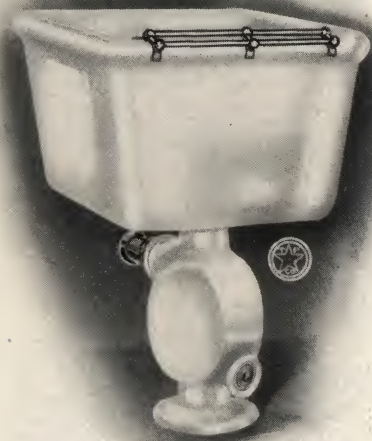


Plate 865-H

WITH INTEGRAL BACK

Porcelain Slop Sink with 12-inch Integral Back, Vitreous China Pedestal Trap, Nickel-plated Compression Bibbs and Nickel-plated Strainer.

Size	inches	18x20x12	20x22x12	22x24x12
Price, as described, Class A		36.65	41.65	46.65
“ “ “ “ B		30.35	33.85	37.35
If with Vented Iron Trap, Enameled Inside, Painted White Outside, deduct.....				1.35
“ “ “ “ “ “ only, deduct				2.35
“ “ Vent and Vent Coupling on Vitreous China Trap, add.....				2.75
“ “ without Bibbs, deduct, per pair				2.80

ALL ROLL RIM

Porcelain All Roll Rim Slop Sink on Iron Pedestal Trap, Enameled Inside Painted White Outside, with Vent and Trap Screw, Nickel-plated Strainer and Nickel-plated Pail Guard

Size	inches	16x20x12	18x22x12	20x24x12
Price, as described, Class A		39.00	43.00	47.00
“ “ “ “ B		34.80	37.60	40.40
If with Vitreous China Trap, add: With Vent, 4.10; without Vent				1.35
“ without Pail Guard, deduct				13.50

ENAMELED IRON SLOP SINKS

WITH INTEGRAL BACK



Plate 866-H

WITH INTEGRAL BACK AND END



Plate 867-H

WITH INTEGRAL BACK

Enameled Iron Roll Rim Slop Sink with 12-inch Integral Back, Enameled Iron Trap Standard with 2-inch Vent Connection, N. P. Fuller Bibbs and N. P. Strainer.

Size.....inches	16x20	18x22	20x24
Price, as described.....	18.50	20.50	22.50
“ without Bibbs.....	16.00	18.00	20.00

WITH INTEGRAL BACK AND END

Enameled Iron Roll Rim Slop Sink with 12-inch Integral Back and Right-Hand End, Enameled Iron Trap Standard with 2-inch Vent Connection, N. P. Fuller Bibbs and N. P. Strainer.

Size.....inches	16x20	18x22	20x24
Price, as described.....	20.50	22.50	24.50
“ without Bibbs.....	18.00	20.00	22.00

Also furnished with Left-Hand End. In ordering, specify whether for Right or Left-Hand Corner.

ENAMELED IRON SLOP SINKS

ROLL RIM



Plate 868-H

FLAT RIM

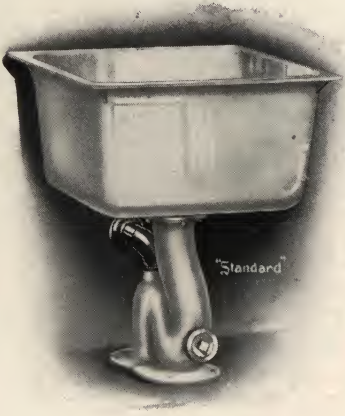


Plate 869-H

ROLL RIM

Enameled Iron Slop Sink, Roll Rim all around, Enameled Inside "S" Trap Standard with Cleanout and Nickel-plated Brass Vent to Wall, Nickel-plated Strainer and Fuller Combination Supply Fitting with Bucket Hook and Wall Support.

Sizes.....	inches	16x20	18x22	20x22	20x24
Price, as described.....		27.00	28.50	29.50	30.50
“ without Supply Fitting.....		13.00	14.50	15.50	16.50
If Enameled All Over, add.....		4.50	4.50	5.00	5.00

FLAT RIM

Enameled Iron Flat Rim Slop Sink with Nickel-plated Strainer and Enameled Inside "S" Trap Standard with Cleanout and Nickel-plated Brass Vent to Wall.

Sizes.....	inches	16x16	16x20	18x22	20x22	20x24
Price, as described.....		9.00	10.00	11.50	12.00	12.75
If with 15-inch Enameled Back, add.....		2.25	2.50	2.75	2.75	3.00
If Enameled All Over, add		4.50	4.50	4.50	5.00	5.00

ENAMELED IRON SLOP SINKS

WITH SEPARATE BACK

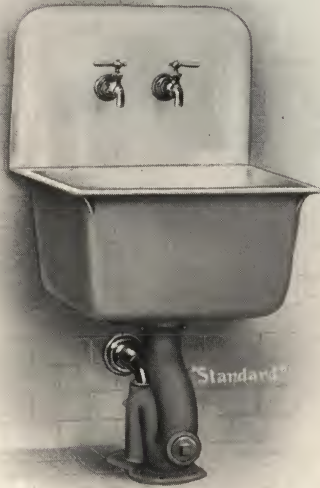


Plate 870-H

FLAT RIM, WITH RIM GUARD



Plate 871-H

WITH SEPARATE BACK

Enameled Iron Flat Rim Slop Sink with 15-inch Enameled Separate Back on Enameled Full Pattern "S" Trap with Vent and Cleanout, Nickel-plated Fuller Adjustable Flange Bibbs, Concealed Galvanized Air Chambers and Nickel-plated Strainer.

Sizes..... inches	16x16	16x20	18x22	20x22	20x24
Price, as described	15.75	17.00	18.75	19.25	20.25
" less Bibbs and Air Chambers	11.25	12.50	14.25	14.75	15.75
If Enameled All Over, add	4.50	4.50	4.50	5.00	5.00

FLAT RIM, WITH RIM GUARD

Enameled Iron Flat Rim Slop Sink with Nickel-plated Rim Guard, Enameled Full Pattern "S" Trap and Nickel-plated Strainer.

Sizes..... inches	16x20	18x22	20x22	20x24
Price, as described.....	18.00	21.00	22.00	23.50
If Enameled All Over, add	4.50	4.50	5.00	5.00
" without Rim Guard, deduct.....	8.00	9.50	10.00	10.75

ENAMELED IRON SLOP SINKS

FLAT RIM, ROUND CORNER

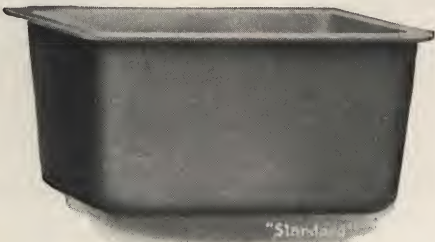


Plate 872-H

2-INCH CENTER OUTLET—WITH NICKEL-PLATED ECLIPSE STRAINER

Size.....inches	16x16x10	16x16x12	14x20x12	16x20x12	20x22x12	15x23x15	18x24x12
Enameled Inside ...each	4.50	4.80	5.10	6.00	6.90	6.60	6.60
Painted In and Out.. “	2.70	3.25	3.50	4.00	4.50	4.25	4.50
Size.....inches	20x24x12	20x30x12	20x36x12	21x36x16	20x48x12	20x48x17	20x72x12
Enameled Inside ...each	7.25	10.50	12.75	17.75	19.00	24.00	33.25
Painted In and Out.. “	5.00	8.00	10.00	14.00	16.00	20.00	24.00

If with Collar tapped for 1¼, 1½ or 2-inch Iron Pipe, add, net .....	.30
“ “ Patent Overflow, add, list	3.00
“ “ “ “ and Plug Strainer, add, list	3.50

ENAMELED IRON TRAP STANDARDS FOR SLOP SINKS

“S” PATTERN
WITH CLEANOUT
AND BRASS VENT



Plate 873-H

CLOSED PATTERN
WITH CLEANOUT
AND BRASS VENT

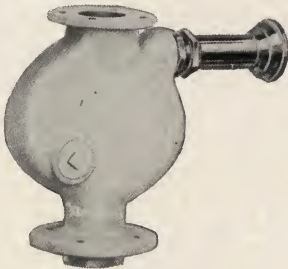


Plate 874-H

ADJUSTABLE
WITH CLEANOUT



Plate 875-H

Price, “S” or Closed Pattern, with Nickel Brass Vent, Enameled Inside..each	4.50
“ Adjustable, Enameled Inside	“ 5.50
If Enameled All Over, add.....	“ 1.00

The “S” traps may also be furnished for lead pipe connection also without vent or with hub vent.

PORCELAIN LAUNDRY TRAYS

ALL ROLL RIM

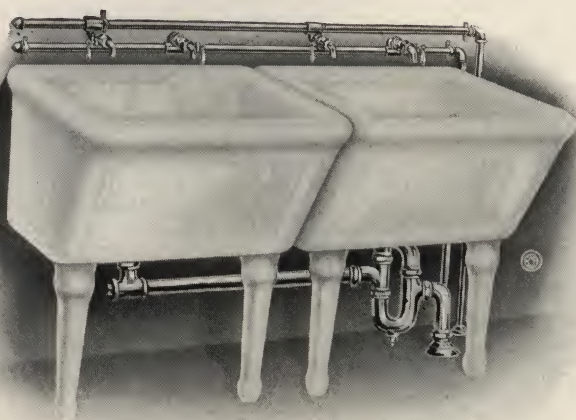


Plate 900-H

Porcelain Laundry Trays, all Roll Rim, set on Porcelain Legs with Wall Straps, fitted with Nickel-plated Fuller Faucets, Nickel-plated Brass Waste Plugs and Couplings. Nickel-plated Continuous Waste and Trap with Vent to Wall.

Tray Outside, 24x24 inches.

Tray Outside, 24x26 inches.

Tray Outside, 25x29 inches.

Depth Inside, 14½ inches.

Depth Inside, 14½ inches.

Depth Inside, 14½ inches.

Size	inches	24x24	24x26	25x29
Price, as described, Set of Two, Class A		78.00	80.00	82.00
“ “ “ “ “ “ “ B		61.20	62.60	64.00
“ “ “ “ “ “ “ “Continental” or “Buff” Ware		56.00	57.00	58.00
“ Tray only, with Legs and Wall Supports, Class A, each		28.00	29.00	30.00
“ “ “ “ “ “ “ “ B, “		19.60	20.30	21.00
“ “ “ “ “ “ “ “ “Continental”				
or “Buff” Ware, each		17.00	17.50	18.00
Price, Waste and Trap, for Two Trays			10.00	
“ Plugs and Couplings, for each Tray			1.20	
“ Faucets, per pair			4.80	
If with Painted or Bronzed Iron Legs, deduct, per pair, from Class A			6.00	
“ “ “ “ “ “ “ “ “ B			3.30	

Supply Pipes, extra.

“Continental” or “Buff” Ware is solid porcelain with the glaze applied directly on the body and not after an application of ground vitreous china, which gives this material its white color. Although not as attractive a color as the pure white, the “Buff” Ware is very serviceable and will not readily show dirt.

PORCELAIN LAUNDRY TRAYS

WITH INTEGRAL BACK

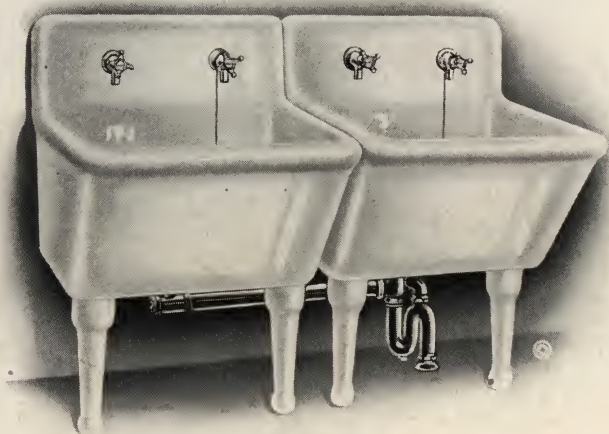


Plate 901-H

Porcelain Laundry Trays with Integral Backs, set on Porcelain Legs, with Wall Straps, Fitted with Nickel-plated Compression Faucets, Nickel-plated Brass Waste Plugs and Couplings, Nickel-plated Continuous Waste and Trap with Vent to Wall.

Tray Outside, 26x26 inches.	Depth Inside, 14½ inches.
Tray Outside, 29x26 inches.	Depth Inside, 14½ inches.
Size..... inches	26x2629x26
Price, as described, Set of Two, Class A	130.00140.50
“ “ “ “ “ “ “ “ B	97.50105.50
“ “ “ “ “ “ “ “ “Continental” or “Buff” Ware....	88.0093.50
“ Tray only, with Legs and Wall Supports, Class A, each.....	53.0058.50
“ “ “ “ “ “ “ “ “ “ B, “	37.5041.00
“ “ “ “ “ “ “ “ “ “ “Continental” or “Buff” Ware	33.0035.00
Price, Waste, Trap, Plugs and Couplings for Two Trays.....	12.40
“ Bibbs, per pair.....	2.75
If with Painted or Bronzed Iron Legs, deduct, per pair, from Class A	6.00
“ “ “ “ “ “ “ “ “ “ “ “ B	3.30

“Continental” or “Buff” Ware is solid porcelain with the glaze applied directly on the body and not after an application of ground vitreous china, which gives this material its white color. Although not as attractive a color as the pure white, the “Buff” Ware is very serviceable and will not readily show dirt.

ENAMELED IRON LAUNDRY TRAY AND SINK COMBINATIONS

IN ONE PIECE



Plate 902-H

Enameled Iron Roll Rim Laundry Tray and Sink Combination with Tray, Sink and Back all in one piece, Painted Iron Legs, Ash Laundry Tray Cover and Drain Board Combined hinged to Back, Nickel-plated Flanged Fuller Bibbs for Tray and Sink, and $1\frac{1}{2}$ -inch Waste Plugs.

Length Inside of Tray, 22 inches.

Width Inside of Tray, 21 inches.

Length Inside of Sink, 22 inches.

Width Inside of Sink, 21 inches.

Depth Inside of Tray, 14 inches.

Depth inside of Sink, 7 inches.

Length over Rims, $50\frac{1}{2}$ inches.

Width over Rims, $24\frac{1}{2}$ inches.

Width of Roll Rim, 2 inches.

Height of Back, 6 inches.

Price, as described	50.00
" without Bibbs	45.00

The above shows sink on right-hand end; may also be furnished with sink in left-hand end.

ENAMELED IRON LAUNDRY TRAYS

DUPLEX—ONE PIECE

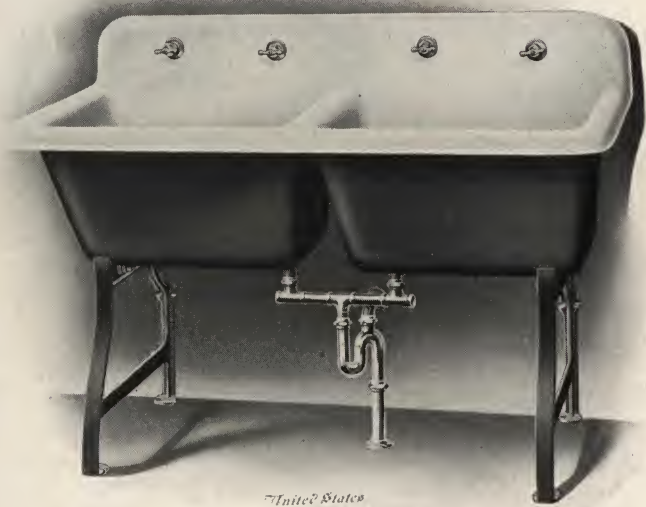


Plate 903-H

Enameled Iron Roll Rim Two-Part Laundry Tray with Trays and Back all in one piece, Painted Iron Legs, Nickel-plated Compression Bibbs, Nickel-plated Continuous Waste and Vented "S" Trap, 1½-inch Waste Plugs and Nickel-plated Brass Soap Dishes.

Length Inside, 22 inches.
Width Inside, 21 inches.
Depth Inside, 14 inches.

Length over Rims, 51 inches.
Width over Rim from Wall, 24½ inches.
Height of Back, 6 inches.

Width of Roll Rim, 2 inches.

Price, as described	44.00
“ without Bibbs, Trap and Waste	30.00

ENAMELED IRON LAUNDRY TRAYS

ROLL RIM

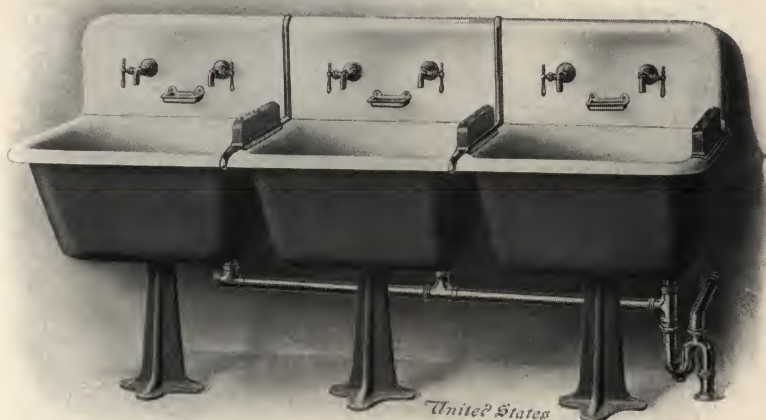


Plate 904-H

Enameled Iron Roll Rim Laundry Trays with 12-inch Separate Sectional Backs, Painted Iron Pedestals, Nickel-plated Union Strips with Hardwood Wringer Bases, Nickel-plated Brass Soap Dishes, Nickel-plated Fuller Bibbs, Nickel-plated Continuous Waste with Waste Plugs and Vented "S" Trap.

Width of Roll Rims, $2\frac{1}{4}$ inches.

Length Inside, 24 inches.

Width over Rim from Wall, 27 inches.

Width Inside, 23 inches.

Length over Rim, Two Trays, 55 inches.

Depth Inside, $14\frac{1}{2}$ inches.

Length over Rim, Three Trays, 82 inches.

	2-Section	3-Section
Price, as described.....	58.00	84.75
“ without Bibbs, Waste and Trap, but with $1\frac{1}{2}$ -inch Nickel-plated Waste Plugs.....	42.00	63.00
If with Patent Overflow, add, each Tray.....	2.00	
“ without Bibbs, deduct, per pair.....	2.50	
“ “ Wringer Bases, deduct, each.....	2.00	

ENAMELED IRON LAUNDRY TRAYS

FLAT RIM

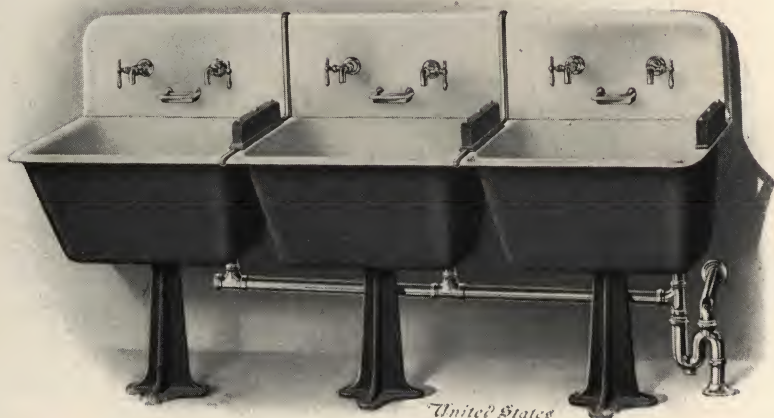


Plate 905-H

Enameled Iron Flat Rim Laundry Trays with Separate Enameled Sectional Backs, Nickel-plated Union Strips, Hardwood Wringer Bases, Painted Iron Pedestals, Nickel-plated Fuller Flanged Bibbs, Nickel-plated Continuous Waste and Vented "S" Trap, 1½-inch Waste Plugs and Nickel-plated Brass Soap Dishes.

Length Inside, 24 inches.

Width Inside, 23 inches.

Depth Inside, 14 inches.

Width over Rim from Wall, 26 inches.

Length over Rim, Two Trays, 54 inches.

Length over Rim, Three Trays, 81 inches.

Height of Backs, 12 inches.

Width of Rims, 1½ inches.

	Two- Section	Three- Section
Price, as described.....	54.00	78.75
" without Bibbs, Trap and Waste.....	38.00	57.00

If with Patent Overflow, add, each Tray..... 2.00

" without Wringer Bases, deduct, each..... 3.00

ENAMELED IRON LAUNDRY TRAYS

ROLL RIM

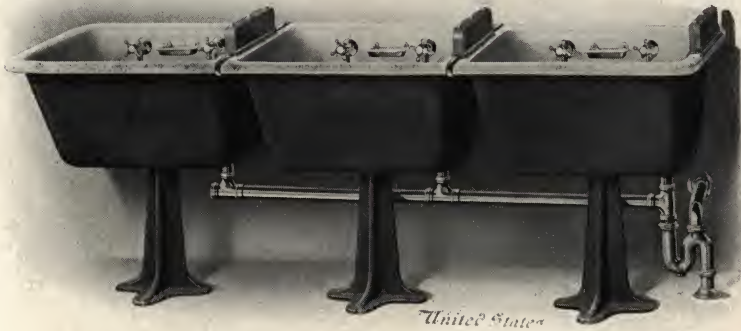


Plate 906-H

Enameled Iron Laundry Trays with Roll Rim all around, Painted Iron Pedestals, Nickel-plated Brass Union Strips with Hardwood Wringer Bases, Nickel-plated Brass Soap Dishes, Nickel-plated Compression Bibbs, Nickel-plated Continuous Waste with Waste Plugs and Vented "S" Trap.

Width of Roll Rims, $2\frac{1}{4}$ inches.

Length Inside, 24 inches.

Width over Rim from Wall, 27 inches.

Width Inside, 23 inches.

Length over Rim, Two Trays, 55 inches.

Depth Inside, $14\frac{1}{2}$ inches.

Length over Rim, Three Trays, 82 inches.

	2-Section	3-Section
Price, as described.....	52.00	75.75
" without Bibbs, Waste and Trap, but with $1\frac{1}{2}$ -inch Nickel-plated Waste Plugs.....	36.00	54.00
If with Patent Overflow, add, each Tray	2.00	
" without Bibbs, deduct, per pair.....	2.50	
" " Wringer Bases, deduct, each.....	3.00	

ENAMELED IRON LAUNDRY TRAYS

WITH ROLL RIM AND BACK



Plate 907-H

PONY TRAY



Plate 908-H

WITH ROLL RIM AND BACK

Enameled Iron Roll Rim Laundry Tray with 12-inch Separate Back, Painted Iron Pedestal, Nickel-plated Brass Soap Dish, Nickel-plated Fuller Bibbs, 1½-inch Nickel-plated Waste Plug and Vented “S” Trap.

Width of Roll Rim, 2¼ inches.
Length Inside, 24 inches.
Width Inside, 23 inches.

Length over Rim, 29 inches.
Width over Rim from Wall, 27 inches.
Depth, 14½ inches.

Price, as described,.....	31.50
“ without Bibbs and Trap.....	20.00
If with Wringer Base, add.....	3.00
“ “ Patent Overflow, add.....	2.00

PONY TRAYS

Enameled Iron Flat Rim Pony Laundry Tray with Painted Iron Pedestal and Wringer Base bolted to Rim.

Length Inside, 21½ inches.
Length over Rim, 24 inches.

Width Inside, 19½ inches.
Width over Rim, 22 inches.

Depth, 13½ inches.

Price, as described.....	9.50
Waste Plug extra.	
Not drilled for Bibbs, unless so ordered.	
May be used singly or in sets of two or more.	

STONE COMBINATION SINK AND
LAUNDRY TRAYS

RUMSEY'S "PERFECTO"



Plate 909-H

Rumsey's "Perfecto" Stone Combination Sink and Laundry Tray with Integral Back, Grooved Drain Board, Painted Iron Standards, 1/2-inch Polished Brass Fuller Bibbs for Sink and Tray, Waste Plugs and Couplings.

Depth of Tub, 16 inches Depth of Sink, 8 inches. Back, 12 inches.

Length.....	.....inches	48	54	60
Width.....	....."	24	27	30
Price, as described.....	.....,	35,00	40,75	46,75

STONE LAUNDRY TRAYS

RUMSEY'S "PERFECTO"



Plate 910-H

Rumsey's "Perfecto" Stone Laundry Tray with Perfection Adjustable Painted Iron
Stands, $\frac{1}{2}$ -inch Polished Brass Compression Wash Tray Bibbs, Waste Plugs and Couplings.

										Without Back	With 12-inch Back
Price, as described, Two-Part, 48 inches Long										28.00	33.50
"	"	"	"	"	54	"	"	.....		29.00	35.75
"	"	"	Three	"	72	"	"	.....		43.00	46.75
"	"	"	"	"	78	"	"	.....		46.75	50.50
"	"	"	"	"	84	"	"	.....		50.00	55.00
If with Galvanized Standards instead of Painted, for Two-Part, add											1.70
"	"	"	"	"	"	"	"	"	Three " "		2.55

GRANITINE LAUNDRY TRAYS



Plate 911-H

These trays are made by a process of cement waterproofing of Portland cement and crushed granite stone. The cement waterproofing presents a superior slate color and a very smooth surface. They are made in one piece with rounded inside corners, without seams or joints, thus rendered sanitary and easy to keep clean. Twin waste connection is furnished for two-part trays.

TWO-PART, WITH 6-INCH BACK

No.	Length Inches	Width Inches	Depth Inches	Price Each
106	48	24	16	14.00
107	54	24	16	16.50
108	60	24	16	18.00

THREE-PART, WITH 6-INCH BACK

110	72	24	16	22.00
111	80	24	16	25.00
112	90	24	16	27.00

ONE-PART, WITHOUT BACK

2	25	24	16	6.00
3	27	24	16	6.50
4	32	24	16	7.00

TWO-PART, WITHOUT BACK

6	48	24	16	10.00
7	54	24	16	11.50
8	60	24	16	12.00

THREE-PART, WITHOUT BACK

10	72	24	16	16.00
11	80	24	16	18.00
12	90	24	16	19.00

Prices include metallic rim, twin waste connection, rubber plugs, metallic wringer guards. Legs extra, per pair: Painted, 1.00; galvanized, 1.50.

GRANITINE LAUNDRY TRAYS

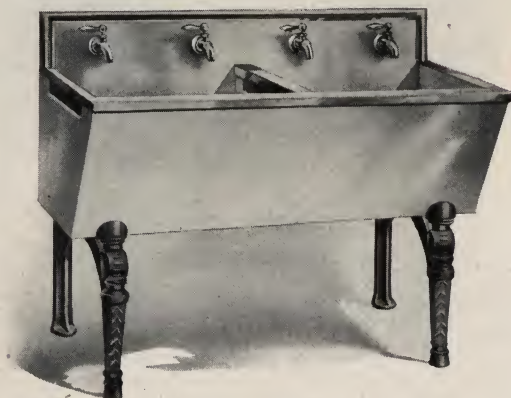


Plate 912-H

These trays are made of a snow-white granitine composition, cast in one solid piece with rounded inside corners, without joints or seams, affording no place for germs to settle, thus making it sanitary in every respect. Twin waste connection is furnished for two-part trays.

TWO-PART, WITH 6-INCH BACK

No.	Length Inches	Width Inches	Depth Inches	Price Each
116	48	24	16	15.00
117	54	24	16	17.50
118	60	24	16	19.00

THREE-PART, WITH 6-INCH BACK

120	72	24	16	25.00
121	80	24	16	28.00
122	90	24	16	32.00

TWO-PART, WITHOUT BACK

16	48	24	16	13.00
17	54	24	16	14.50
18	60	24	16	16.00

THREE-PART, WITHOUT BACK

20	72	24	16	20.50
21	80	24	16	23.00
22	90	24	16	29.00

Prices include metallic rim, rubber plugs and metallic wringer guards. Legs extra, per pair: Painted, 1.00; galvanized, 1.50.

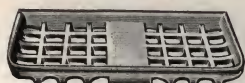
FITTINGS FOR LAUNDRY TRAYS AND SINKS**SOAP DISHES****FOR LAUNDRY TRAYS**

Plate 913-H

FOR LEFT-HAND END

Plate 914-H

FOR SINKS**FOR RIGHT-HAND END**

Plate 915-H

Price, Galvanized Iron	each	.50
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LAUNDRY TRAY PLUGS**WITH LOCKNUT AND COUPLING****PLAIN**

Plate 916-H

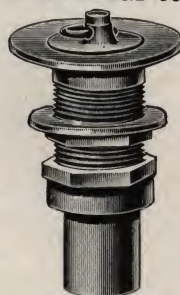


Plate 917-H

Price, Plain, 1½-inch, Polished Brass	each	.35
" with Locknut and Coupling, 1½-inch, Polished Brass	"	.80

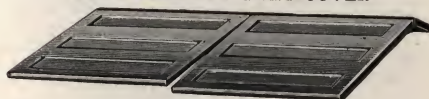
LAUNDRY TRAY LEG**WOOD LAUNDRY TRAY COVER**

Plate 918-H



Plate 919-H

WOOD LAUNDRY TRAY COVERS

Length.....	feet	2 and 2½	4	4½ and 5	6 and 6½	7 and 7½
Price, Paneled Hardwood, Stained.....		2.00	3.00	4.00	4.50	6.50
" Solid Pine.....		2.50	4.00	5.00	6.00	8.00
" Natural Oak, Varnished.....		3.00	5.00	6.00	7.50	9.00

LAUNDRY TRAY LEGS

Price, Painted Iron	each	.70
" Galvanized Iron.....	"	1.40

VITREOUS CHINA CLOSET BOWLS

No. 2 PLAIN OVAL SYPHON JET

REVERSE TRAP SYPHON WASH DOWN



Plate 1000-H



Plate 1001-H

No. 2 Vitreous Plain Oval Syphon Jet, for High or Low Tank.....each 17.00
Vitreous Reverse Trap Syphon Wash Down, for High or Low Tank..... " 10.00
These bowls have large water surface, deep seal and full waterway through trap.

PLAIN SYPHON WASH DOWN

SYPHON WASH DOWN, WITH EXTENDED LEG



Plate 1002-H

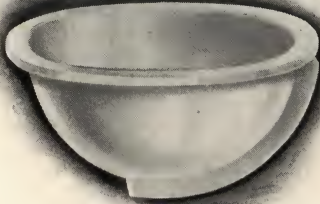


Plate 1003-H

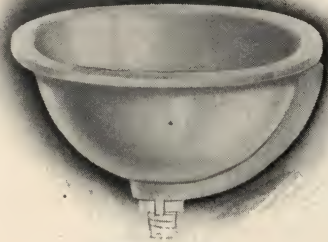
Vitreous Plain Syphon Wash Down, for High or Low Tank.....each 8.50
" Syphon Wash Down with Jet, for High or Low Tank..... " 10.00
" " " " " Short Extended Leg, for High or Low Tank " 10.00
" " " " " Long " " 12.00

Spuds and seat attachments extra.

Brass Spuds, 1 1/4 inch.....each .25
" " 1 1/2 " " .40
" " 2 " " .50
Seat Attachments..... " .25

EARTHENWARE BASINS**ROUND, PATENT OVERFLOW
METAL PLUG****Plate 1004-H**

Outside Diameter.....	inches
Price, Patent Overflow for Metal Plug.....	
“ “ “ Rubber Plug.....	
“ no Overflow for Metal Plug.....	

**ROUND, PATENT OVERFLOW
RUBBER PLUG****Plate 1005-H**

12	13	14	15	16
1.25	1.25	1.25	2.00	2.50
1.50	1.50	1.50	2.50	3.00
1.00	1.00	1.00	1.50	2.00

**OVAL, NO OVERFLOW
METAL PLUG****Plate 1006-H**

Outside Dimensions.....	inches
Price, no Overflow for Metal Plug.....	
“ Patent Overflow for Metal Plug.....	

**OVAL, PATENT OVERFLOW
METAL PLUG****Plate 1007-H**

14x17	15x19	16x21
2.50	3.50	4.50
3.00	4.00	5.00

**OVAL, PATENT OVERFLOW
RUBBER PLUG****STRAIGHT BACK, NO OVERFLOW****Plate 1008-H**

Outside Dimensions.....	inches
Price, Patent Overflow for Rubber Plug.....	
“ Straight Back, Patent Overflow.....	
“ “ “ no Overflow.....	

Plate 1009-H

14x17	15x19	16x21
3.50	4.50	5.50
5.00	6.00	....
4.50	5.50	....

ENAMELED IRON BASINS

ROUND, COMMON OVERFLOW



Plate 1010-H

ROUND, PATENT OVERFLOW

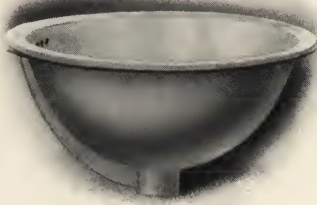


Plate 1011-H

COMMON OVERFLOW

Outside Diameter	inches	12	14	16
Price, Enameled Inside.....		1.75	2.00	2.50
" " All Over.....		2.75	3.00	3.50

PATENT OVERFLOW

Outside Diameter	inches	12	14	16
Price, Enameled Inside.....		2.00	2.25	3.00
" " All Over		3.00	3.25	4.00

Plugs and couplings extra.

OVAL, NO OVERFLOW

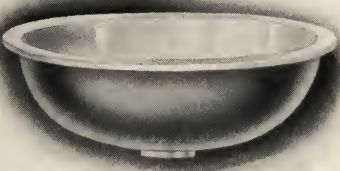


Plate 1012-H

OVAL, PATENT OVERFLOW



Plate 1013-H

Outside Dimensions	inches	14x17	15x19
Price, no Overflow, Enameled Inside		2.50	3.00
" " " " All Over ..		3.50	4.00
" Patent " " Inside		3.00	3.25
" " " " All Over		4.00	4.25

Plugs and couplings extra.

These basins are regularly furnished painted white outside.

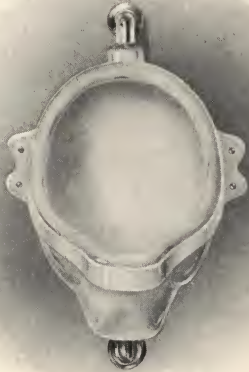
EARTHENWARE URINALS**SYPHON JET****TOP SUPPLY AND BOTTOM OUTLET**

Plate 1014-H

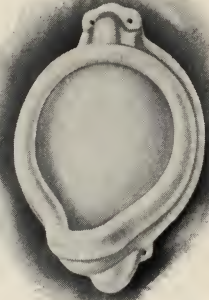
**WITH INTEGRAL INLET AND
OUTLET TO WALL**

Plate 1015-H

TOP SUPPLY AND BOTTOM OUTLET

Number.....	1	2
Wall to Face of Lip.....inches	15	14
Width Over All....."	19	17
Price, Urinal only	16.00	14.00

Brass inlet and outlet connections extra.

WITH INTEGRAL INLET AND OUTLET TO WALL

Price, Urinal only.....	15.00
" Brass Inlet and Outlet Connections per set.....	2.00

May be furnished with Top Supply and Bottom Outlet at same price.

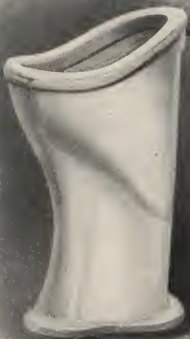


Plate 1016-H

PEDESTAL URINALS

This Urinal has Deep Seal Trap, Large Waterway, Full Flushing Rim, and Syphonic Action.

May also be used as a Slop Hopper.

Height from Floor at Back, 30½ inches.

Height from Floor at Front, 25 inches.

Price, Pedestal Wash Down Urinal only.... 23.00

" Syphon Jet Urinal only..... 25.00

Spuds and Coupling extra.

“BEDFORDSHIRE” URINALS

FLAT BACK

WITH LIP

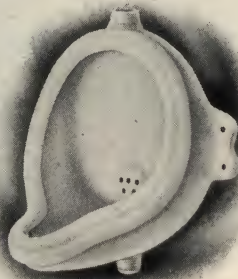


Plate 1017-H

WITHOUT LIP

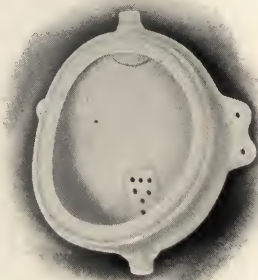


Plate 1018-H

Number....	1	2	3
Size.....inches	15x18	13x15	12x14
Price, with Lip	10.00	8.00	7.00
“ without Lip.....	8.00	6.00	5.00

CORNER

WITH LIP

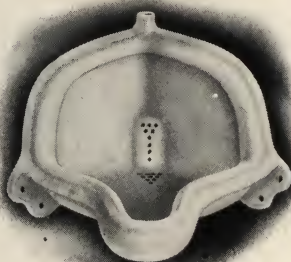


Plate 1019-H

WITHOUT LIP

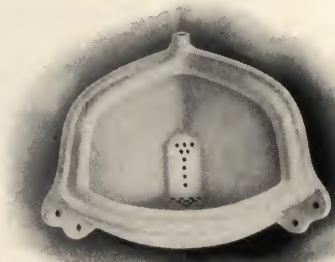


Plate 1020-H

Number.....	1	2	3
Size.....inches	13x13	11½x11½	10½x10½
Price, with Lip	10.00	8.00	7.00
“ without Lip	8.00	6.00	5.00

Urinals with Brass Spuds furnished at special price.

ENAMELED IRON URINALS**LIPPED****CORNER****FLAT BACK**

Plate 1021-H

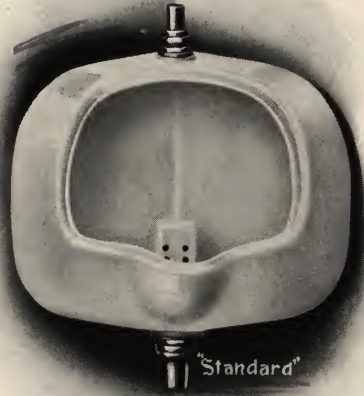


Plate 1022-H

Enameled Iron Lipped Urinals on Concealed Wall Hanger with Inlet and Outlet Couplings.

18½ inches High 13 inches Wide

Price, Flat Back or Corner, Enameled All Over.....	12.00
" " " " " " Inside.....	10.00

ENGLISH PATTERN**FLAT BACK**

Plate 1023-H

CORNER

Plate 1024-H

FLAT BACK

Price, No. 1, Length, 11 inches.....	
" " 2, " 15 "	

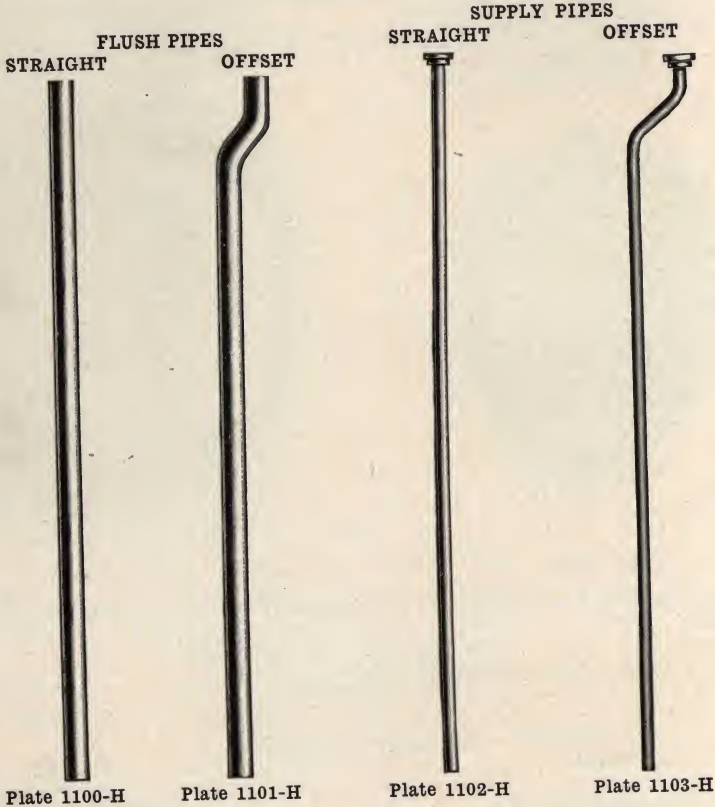
Plain	Painted	Enameled
1.00	1.15	2.50
1.30	1.50	3.00

CORNER

Price, No. 1, 8 inches Long on Side.....	
" " 2, 9½ " " "	
" " 3, 11 " " " "	

Plain	Painted	Enameled
.75	.90	1.75
1.00	1.15	2.25
1.25	1.45	2.75

WATER CLOSET FLUSH AND SUPPLY PIPES



FLUSH PIPES

Outside Diameter.....inches	1¼	1½
Price, Nickel-plated, Straight, 6 feet Long. each	1.90	2.40
“ “ Offset, 6 “ “ “	2.00	2.50
If with Collars, add..... “	.10	.10

Offset flush pipes offset 2¾ inches from center to center. When special collars are wanted on pipes, sample coupling nut to tank should be sent with the order. Special flush pipes made to order.

SUPPLY PIPES

Size .....inches	⅝ O. D.—No. 14 Ga.	¾ I. P.
Price, Nickel-plated, Straight, 7 feet Long. each	2.50	3.15
“ “ “ Offset, 7 “ “ “	2.75	3.25

⅝-inch supply pipes have ¾-inch I. P. thread. Offset supply pipes offset 6½ inches from center to center. Special supply pipes made to order.

PIPE STRAPS AND HOLDERS

PIPE STRAPS

PLAIN

SINGLE

WITH BUMPER

PLAIN

DOUBLE

WITH BUMPER



Plate 1104-H



Plate 1105-H



Plate 1106-H



Plate 1107-H

SINGLE—O. D. SIZES

Size, Outside Diameter.....inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
Price, Nickel-plated, Plain....per 100	3.75	4.00	4.25	5.00	5.75	6.00	6.75
“ “ “ with Bumper “	....	....	....	6.50	7.25	7.50	8.25

SINGLE—IRON PIPE SIZES

Size, Iron Pipe.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Price, Nickel-plated, Plain.....per 100	4.25	4.50	5.00	5.75	6.50	7.50
“ “ “ with Bumper... “	....	....	....	7.25	8.00	9.00

DOUBLE—O. D. SIZES

Size.....inches	$1\frac{1}{4} \times \frac{1}{2}$	$1\frac{1}{4} \times \frac{5}{8}$	$1\frac{3}{8} \times \frac{1}{2}$	$1\frac{3}{8} \times \frac{5}{8}$	$1\frac{1}{2} \times \frac{1}{2}$	$1\frac{1}{2} \times \frac{5}{8}$
Price, Nickel-plated, Plain.....per 100	8.75	9.00	9.25	9.50	10.25	10.50
“ “ “ with Bumper... “	10.25	10.50	10.75	11.00	11.75	12.00

ADJUSTABLE PIPE HOLDERS
FOR SUPPLY PIPE

SPLIT

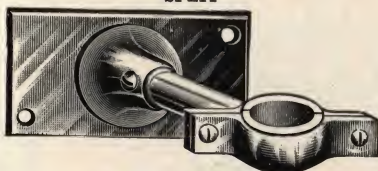


Plate 1108-H

SOLID



Plate 1109-H

Price, Split, for $\frac{5}{8}$ -in. O. D. or $\frac{3}{8}$ -in. I. P. Size Supply Pipe	each	.80
“ Solid, “ $\frac{5}{8}$ “ “ “ $\frac{3}{8}$ “ “ “ “	“	.30

FOR FLUSH PIPE

SPLIT



Plate 1110-H

SOLID

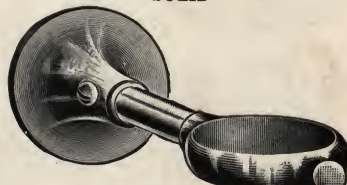
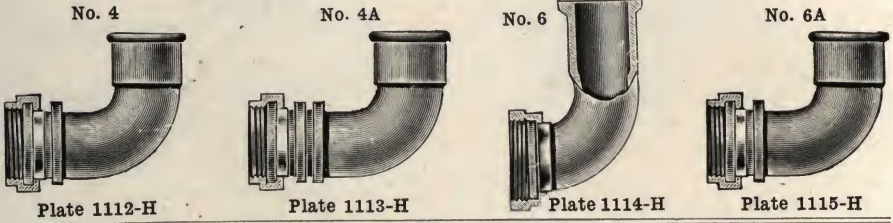


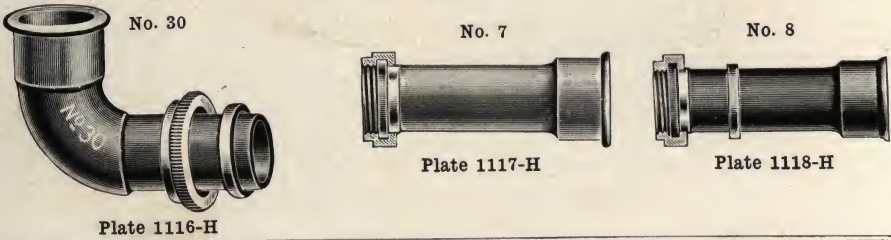
Plate 1111-H

Price, Split, for $1\frac{1}{4}$ -inch Flush Pipe	each	.90
“ “ “ $1\frac{1}{2}$ “ “ “	“	1.00
“ Solid, “ $1\frac{1}{4}$ “ “ “	“	.40
“ “ “ $1\frac{1}{2}$ “ “ “	“	.50

CLOSET CONNECTIONS
RICKETTS' RUBBER CONNECTIONS

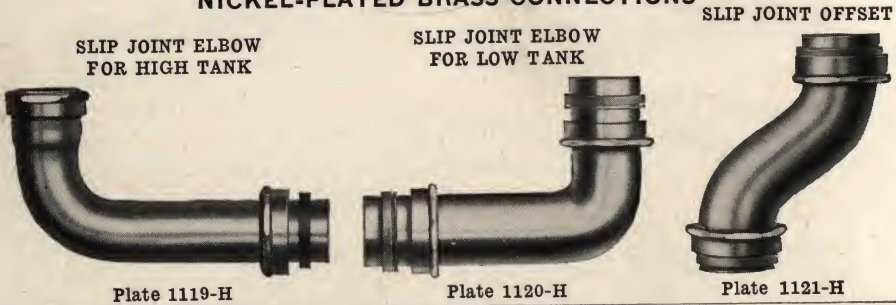


Price, No. 4, for 1 1/4-inch Supply; Full Length, 4 inches.....	per dozen	10.00
" " 5, " 1 1/4 " " " 5 ".....	"	11.00
" " 6, " 2 " Vent to slip over 2-inch Pipe.....	"	15.00
" " 6A, for 1 1/2-inch Syphon Supply.....	"	15.00



Price, No. 30, for 1 1/4-inch Supply.....	per dozen	6.00
" " 7, " 1 1/4 " " ".....	"	8.25
" " 8, " 2 " Vent.....	"	14.00

NICKEL-PLATED BRASS CONNECTIONS



Price, Elbows, for High Tank, 1 1/4-in. Spud, 1 1/4-in. O.D. Tubing, 4-in. Extension . each	.40
" " " " " 1 1/4 " " " 6 " " " "	.50
" " " " " 1 1/4 " " " 4 " " " "	.40
" " " " " 1 1/4 " " " 6 " " " "	.50
" " " Low " 2 " " 4x6 inches.....	.70
" " " " " 2 " " 6x6 ".....	.90
" " " " " 2 " " 6x8 ".....	1.00
" Offsets, " " " 2 " " 1 1/2 in. Center to Center.....	.90
" " " " " 2 " " 2 " " " ".....	1.00
" " " " " 2 " " 3 " " " ".....	1.20
" " " " " 2 " " 4 " " " ".....	1.50

RUMSEY CAST BRASS FLOOR FLANGES

No. 10

SECTIONAL VIEW



Plate 1122-H

Plate 1123-H

Price, No. 10, with Ring Asbestos, Molded Gasket, Bolts and Washers for Lead Pipe Connection	each	4.50
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LEAD BEND SET



Plate 1124-H

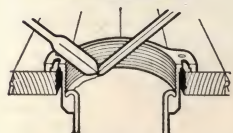
RUNNING SOLDER
INTO RECESS

Plate 1127-H

No. 12

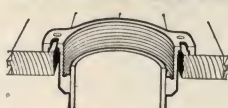
FLANGE IN PLACE
SLIPPED OVER LEAD PIPE

Plate 1125-H

ADJUSTING RING AND
ASBESTOS GASKET IN PLACE

Plate 1128-H

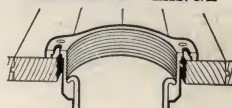
LEAD BEADED DOWN INTO
RECESS IN FLANGE

Plate 1126-H

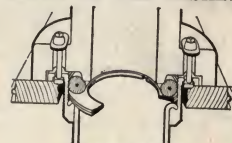
CLOSET SET AND BOLTED
DOWN ON THE GASKET

Plate 1129-H

SECTIONAL VIEW

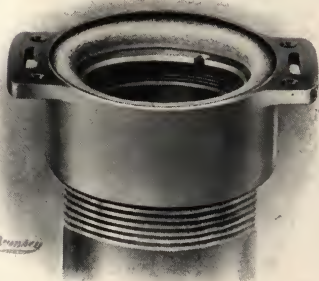


Plate 1130-H

Plate 1131-H

Price, No. 12, same as No. 10, only for Iron Pipe Connection	each	4.50
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RUBBER SUNDRIES**RUBBER BUMPERS****TACK**

Plate 1144-H

SCREW

Plate 1145-H

OBLONG

Plate 1146-H

TACK AND SCREW BUMPERS

Diameter of Head.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Price, Tack Bumpers.....per dozen	.10	.15	.20	.40	.45	....
" Screw "....."	....	....	....	.60	.75	.85

OBLONG BUMPERS

Length.....inches	$\frac{15}{8}$	$2\frac{1}{8}$	$2\frac{1}{2}$
Width.....inches	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Height....."	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$
Price.....per dozen	.75	.85	1.00

BASIN AND BATH WASTE WASHERS**SLIP JOINT WASHER**

Plate 1147-H



Plate 1148-H

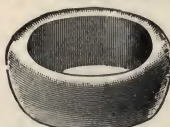


Plate 1149-H



Plate 1150-H

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{5}{8}$	2
Price, Slip Joint Washers.....per dozen	.50	.50	.60	.75	1.00	1.10	....	1.20
" Plate 1148-H " " " " " "	....	....	....	2.00	2.50	3.00	....	....
" " 1149-H " " " " " "	....	....	....	2.00	3.00	3.50	....	....
" " 1150-H " " " " " "	....	....	....	3.50	4.00	4.50	6.00	....

GASKETS**SYPHON VALVE WASHERS****BASIN**

Plate 1151-H

SINK

Plate 1152-H

REGULAR

Plate 1153-H

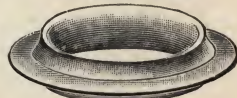
FEATHER EDGE

Plate 1154-H

GASKETS

Price, Basin.....per dozen	1.50
" Sink....."	2.00

**RUBBER
FLUSH BALL**

Plate 1155-H

SYPHON VALVE WASHERS

Size.....inches	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Regular.....per dozen	2.50	2.75	3.00
" Feather Edge....."	2.50	2.75	3.00

RUBBER FLUSH BALLS

Number.....	1	3	4
Size.....inches	2	$2\frac{1}{2}$	$2\frac{3}{4}$
Price.....each	.50	.60	.70

RUMSEY LAVATORY FITTINGS

No. 2, COMPRESSION COMBINATION
SUPPLY AND WASTE



Plate 1156-H

No. 12, COMPRESSION COMBINATION
SUPPLY AND WASTE



Plate 1157-B

No. 2—Nickel-plated with Pop-Up Waste, China Handles, China Knob and China Escutcheons. Price.....	22.00
No. 12—Nickel-plated with Imperial Waste, China Handles, China Knob and China Escutcheons. Price.....	20.00

No. 10, QUICK ACTION COMPRESSION COMBINATION SUPPLY AND WASTE

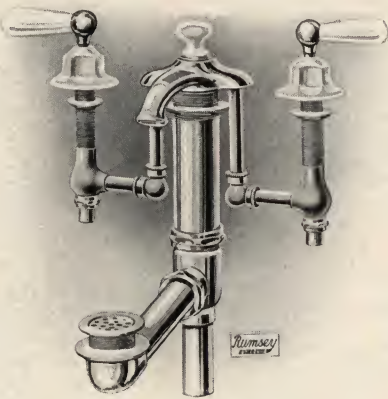


Plate 1158-H

No. 10—Nickel-plated with Imperial Waste, China Handles, China Knob and China Escutcheons. Price.....	22.00
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RUMSEY LAVATORY FITTINGS

No. 20, FULLER COMBINATION SUPPLY AND WASTE

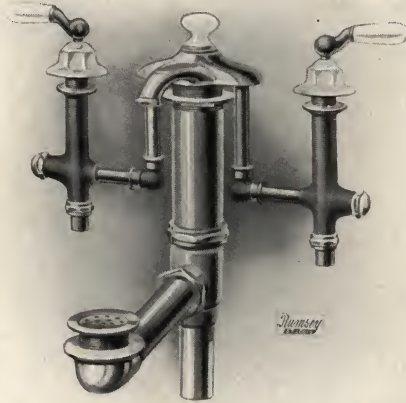


Plate 1159-H

No. 20—Nickel-plated Combination Fuller Supply Fitting with Imperial Waste, China Handles, China Knob and China Escutcheons. Price..... 20.00

POP-UP WASTE

IMPERIAL WASTE



Plate 1160-H

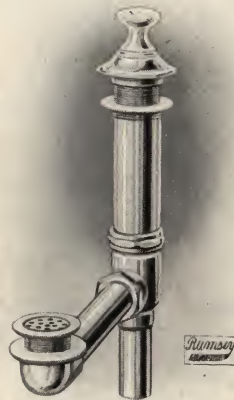


Plate 1161-H

Nickel-plated	Pop-Up Waste	with China Knob and China Escutcheons.	Price..	7.00
"	"	Imperial Waste with China Knob.	Price.....	5.00
"	"	Plain Top with China Index.	Price	4.00

LAVATORY SUPPLY PIPES
TO FLOOR

PLAIN
1/8-INCH O. D.



Plate 1162-H

PLAIN



Plate 1163-H

WITH STOP



Plate 1164-H

WITH AIR
CHAMBER



Plate 1165-H

WITH STOP
AND AIR CHAMBER



Plate 1166-H

WITH REDUCING COUPLING				WITH SLIP JOINT			
Size inches	3/8, No. 14 Ga.	3/4, I.P.S.		Size inches	9/16 O.D.	3/8, No. 14 Ga.	3/4, I.P.S.
Price, N.P., Plain per pair	2.00	2.72		Price, N.P., Plain per pair	2.16	2.10	2.85
" " " with Stop "	4.90	5.68		" " " with Stop . . . . . "	....	5.00	5.78
" " " Air Chamber " "	3.90	5.18		" " " Air Chamber " . . . . . "	....	4.00	5.28
" " " Stop and Air Chamber "	6.90	8.00		" " " Stop and Air Chamber . . . . . "	....	6.96	8.10

TO WALL

PLAIN

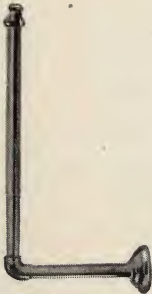


Plate 1167-H

WITH STOP

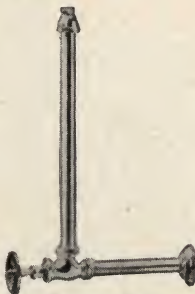


Plate 1168-H

WITH AIR
CHAMBER

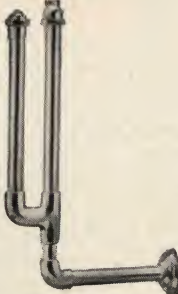


Plate 1169-H

WITH STOP
AND AIR CHAMBER

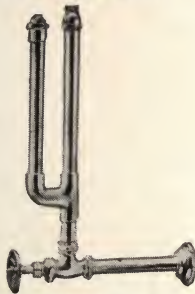


Plate 1170-H

WITH REDUCING COUPLING				WITH SLIP JOINT			
Size inches	3/8, No. 14 Ga.	3/4, I.P.S.		Size inches	9/16 O.D.	3/8, No. 14 Ga.	3/4, I.P.S.
Price, N.P., Plain per pair	2.00	2.72		Price, N.P., Plain per pair	2.00	2.10	2.85
" " " with Stop "	4.90	5.68		" " " with Stop . . . . . "	....	5.00	5.78
" " " Air Chamber " "	3.90	5.18		" " " Air Chamber " . . . . . "	....	4.00	5.28
" " " Stop and Air Chamber "	6.90	8.00		" " " Stop and Air Chamber . . . . . "	....	6.96	8.10

If without couplings, deduct: Reducing, 25 centsp er pair; slip joint, 35 cents per pair.

BASIN AND BATH COCK CONNECTIONS, ETC.

SLIP JOINT ELBOW

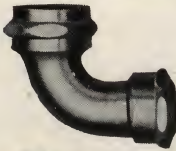


Plate 1171-H

SLIP JOINT



Plate 1172-H

FLANGED SLIP JOINT



Plate 1173-H

SLIP JOINT ELBOWS

Size, I. P. Thread.....inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size, Slip Joint (O. D. Tubing).....inches	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$
Price, Nickel-plated.....each	.30	.30	.30	.33	.33	.33

SLIP JOINTS

Size, I. P. Thread.....inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$
Size, Slip Joint (O.D.Tubing)inches	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{3}{4}$ or $\frac{3}{8}$ -in. I. P. S.	$\frac{3}{4}$ or $\frac{3}{8}$ -in. I. P. S.	$\frac{3}{4}$ or $\frac{1}{2}$ -in. I. P. S.
Price, Nickel-plated.....each	.30	.30	.33	.33	.36

FLANGED SLIP JOINTS

Size, I. P. Thread .inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Size, Slip Joint (O. D. Tubing) .inches	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{3}{4}$ or $\frac{3}{8}$ -in. I. P. S.	$\frac{3}{4}$ or $\frac{3}{8}$ -in. I. P. S.	$\frac{3}{4}$ or $\frac{1}{2}$ -in. I. P. S.	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Price, Nickel-plated...each	.45	.45	.45	.48	.48	.75	.75	.80	.80	.80

WASTE AND VENT BUSHING

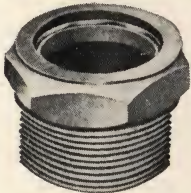


Plate 1174-H

SOLDER BUSHING



Plate 1175-H

FLUSH BUSHING



Plate 1176-H

NUT



Plate 1177-H

WASTE AND VENT BUSHINGS

Size, I. P. Thread.....inches	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Reamed for O. D. Tubing.....inches	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{8}$
Price, Nickel-plated.....each	.70	.70	.80	.75	.75	.70

SOLDER BUSHINGS

Size, I. P. Thread..inches	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	2	2	2
Reamed for O. D. Tubing..inches	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	2
Price, Nickel-plated...each	.30	.30	.45	.45	.40	.40	.75	.75

FLUSH BUSHINGS

Size, I. P. Thread.....inches	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Reamed for O. D. Tubing.....inches	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{8}$
Price, Nickel-plated.....each	.17	.15	.27	.25	.20	.17

NUTS

Size, I. P. Thread...inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	2
For O. D. Tubing..inches	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{3}{4}$	1	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{2}$	2
Price, N. P. ....each	.15	.20	.20	.22 $\frac{1}{2}$	.25	.25	.27 $\frac{1}{2}$	.27 $\frac{1}{2}$	.30	.30	.30	.30

Nuts are furnished with friction rings and washers.

NICKEL-PLATED FLANGES, ETC.

CANOPY FLANGES

WITH SET SCREW

PLAIN



Plate 1178-H



Plate 1179-H

PLAIN



Plate 1180-H

BIBB FLANGES

WITH SET SCREW



Plate 1181-H

2½-INCH PLAIN CANOPY FLANGES

Size of Hole.....inches	¼ I. P.	⅜ I. P.	½ I. P.	⅝ O. D.	¾ O. D.
Price per 100.....	3.00	3.00	3.00	3.00	3.00
Size of Hole.....inches	½ O. D.	⅝ O. D.	⅞ O. D.	¾ O. D.	....
Price per 100.....	3.00	3.00	3.00	3.00	....

3-INCH PLAIN CANOPY FLANGES

Size of Hole.....inches	½ I. P.	¾ I. P.	1 I. P.	1¼ I. P.
Price per 100.....	4.50	4.50	4.50	4.50
Size of Hole.....inches	1½ I. P.	1 O. D.	1¼ O. D.	1½ O. D.
Price per 100.....	4.50	4.50	4.50	4.50

CANOPY FLANGES WITH SET SCREW

Size of Hole...in.	⅞	1½	1½	1	1¼	1⅝	1½
Diameter....in.	2½	2½	2½	3	3	3	3
Price.....each	.33	.33	.33	.36	.42	.42	.45

BIBB FLANGES

Size of Hole.....inches	⅞	7/8	1⅞	1⅞
Diameter.....inches	2⅞	2⅞	2⅞	2⅞
Price, Plain.....each	.13	.13	....	.13
" with Set Screw....."	.18	.18	.18	.18

CLOSET SPUD FLANGE



Plate 1182-H

CLOSET SPUD REDUCER



Plate 1183-H

CLOSET SPUD FLANGES

Size.....inches	2¼	2¼	2⅝	2⅝
Price, 3½-inch Diameter.....per 100	8.00	8.00	8.00	8.00

CLOSET SPUD REDUCERS

Size.....inches	2x1¼	2x1½
Price, Rough.....each	.90	.90
" Finished....."	.95	.95

BRASS TRAPS

PLAIN "S" BENT TUBE

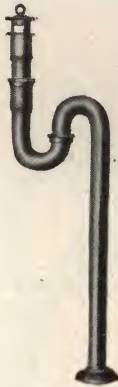


Plate 1184-H

VENTED "S"

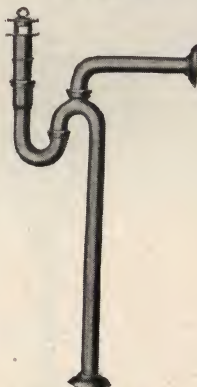


Plate 1185-H

PLAIN "S" CAST BRASS BODY

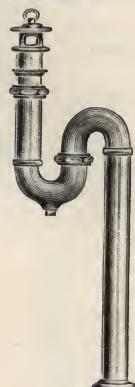


Plate 1186-H

VENTED "S"

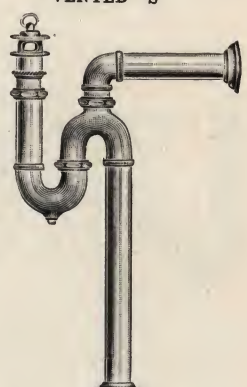


Plate 1187-H

Size.....	inches	1¼	1½
Price, Bent Tube, Plain "S," Nickel-plated.....	each	2.30	2.85
" " Vented "S," " "	"	2.90	3.40
" Cast Brass Body, Plain "S," Nickel-plated.....	"	2.32	2.84
" " " " Vented "S," " "	"	3.70	3.70

PLAIN "P"

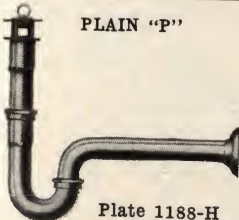


Plate 1188-H

BENT TUBE

Size..... inches	1¼	1½
Price, Plain "P"		
Nickel-plated, each	1.90	2.30
Price, Vented "P"		
Nickel-plated, " "	2.75	3.15

PLAIN "P"

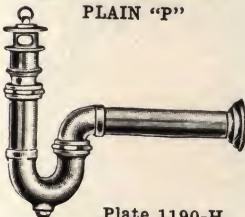


Plate 1190-H

CAST BRASS BODY

Size..... inches	1¼	1½
Price, Plain "P".....	1.96	2.40
" Vented "P" " "	2.76	3.28

VENTED "P"

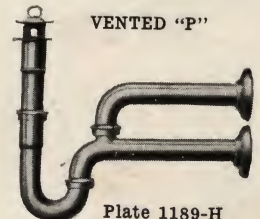


Plate 1189-H

VENTED "P"

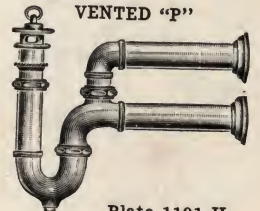


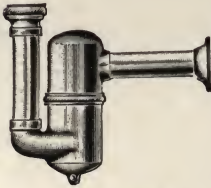
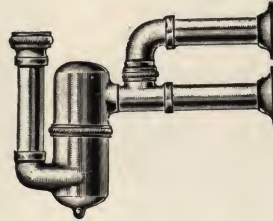
Plate 1191-H

SINK
CONNECTIONPlate
1192-H

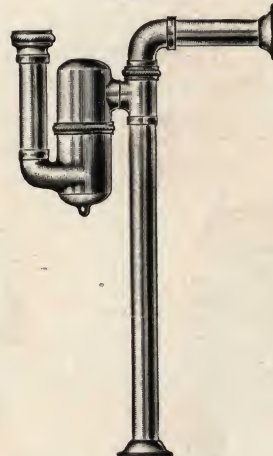
SINK AND P. O. PLUG CONNECTIONS

P. O.
PLUGPlate
1193-H

Sink Conn. only, 1¼ or 1½ in., to Slip 5 in.....	each	.38
" " " 1¼ " 1½ " " " 7 "	"	.43
" " " 1¼ " 1½ " " " 9 "	"	.48
P. O. Plug Conn. only, 1¼ " " " 2 "	"	.53
" " " 1¼ " " " 4 "	"	.58
" " " 1¼ " " " 6 "	"	.63
" " " 1¼ " " " 8 "	"	.68

BRASS TRAPS**THE "IDEAL" CENTRIFUGAL ADJUSTABLE TRAPS****HALF "S" OR "P"****Plain****Plate 1202-H****Vented****Plate 1203-H**

Size.....inches	1¼	1½	2
Price, Polished or Nickel Plated, Plain.....each	5.20	7.00	11.00
“ “ “ “ “ with Vent..... “	7.15	9.40	14.75

FULL "S"**Plain****Plate 1204-H****Vented****Plate 1205-H**

Size.....inches	1¼	1½	2
Price, Polished or Nickel Plated, Plain.....each	6.00	8.00	12.50
“ “ “ “ “ with Vent..... “	7.50	9.75	15.25

Unless otherwise ordered, Traps will be furnished fitted with Slip Joint and P. O. Plug.

If furnished with P. O. Plug and Rubber Stopper, add .50.

TRAPS

"THE IDEAL" CENTRIFUGAL TRAPS

FULL "S"

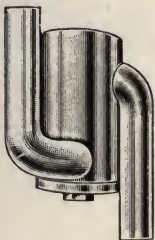


Plate 1206-H

HALF "S"

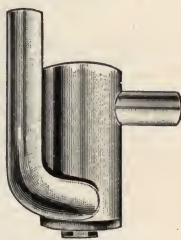


Plate 1207-H

RUNNING

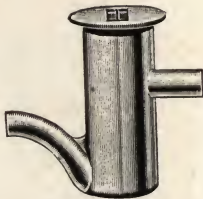


Plate 1208-H

Description.....	WITHOUT VENT			WITH VENT		
	1¼	1½	2	1¼	1½	2
Size.....inches						
Price, Lead, "S".....each	1.35	1.75	2.50	2.10	2.65	3.35
" " ½" "S"....."	1.25	1.50	2.25	2.00	2.30	3.20
" " Running....."	1.55	2.00	2.50	2.20	2.80	3.70
" Rough Brass, "S"....."	2.75	3.65	....	3.25	4.15	....
" " ½" "S"....."	2.45	3.35	....	2.95	3.85	....
" " Running....."	2.85	3.55	....	3.45	4.15	....
" Polished or Nickel Plated Brass, "S"....."	3.35	4.45	....	3.85	4.95	....
" " " " ½" "S"....."	3.05	4.15	....	3.55	4.65	....
Price, Polished or Nickel Plated Running....."	3.55	4.65	....	4.05	4.95	....

CLEAN SWEEP TRAPS

FULL "S"

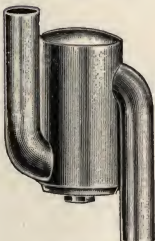


Plate 1209-H

HALF "S"

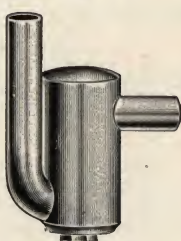


Plate 1210-H

RUNNING

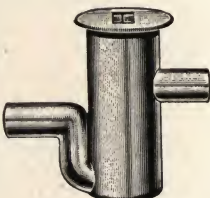


Plate 1211-H

Description.....	WITHOUT VENT			WITH VENT		
	1¼	1½	2	1¼	1½	2
Size.....inches						
Price, Lead, "S".....each	1.20	1.55	2.30	1.80	2.35	3.00
" " ½" "S"....."	1.10	1.35	2.00	1.75	2.05	2.70
" " Running with Flange Cover....."	1.50	1.90	....	2.25	2.75	....
" Rough Brass, "S"....."	2.60	3.60	....	3.10	4.10	....
" " ½" "S"....."	2.30	3.30	....	2.80	3.80	....
" " " " Running. with Flange cover....."	3.30	4.00	....	4.00	4.80	....

BRASS VENT TEES

WITH FINISHED NICKEL-PLATED SLIP JOINT NUTS, FRICTION RINGS AND WASHERS

VENT TAPPED FOR I. P.
OUTLET FOR L. P.
INLET WITH SLIP JOINT



Plate 1212-H

VENT FOR CALKING I. P.
OUTLET FOR L. P.
INLET WITH SLIP JOINT

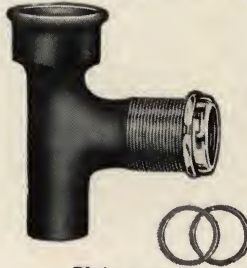


Plate 1213-H

VENT TAPPED FOR I. P.
OUTLET FOR I. P.
INLET WITH SLIP JOINT

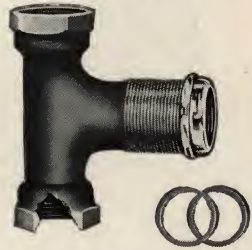


Plate 1214-H

PLATE 1212-H

Price, 1 1/4-inch Inlet, 1 1/4-inch Outlet, 1 1/4-inch Vent.....	each	
" 1 1/16 " " 1 1/4 " " 1 1/4 " "	"	1.75
" 1 1/2 " " 1 1/4 " " 1 1/4 " "	"	2.40
" 1 1/4 " " 1 1/2 " " 1 1/2 " "	"	2.50
" 1 1/2 " " 1 1/2 " " 1 1/2 " "	"	2.25
" 1 1/16 " " 1 1/2 " " 1 1/2 " "	"	2.40
" 1 1/2 " " 1 1/2 " " 1 1/2 " "	"	2.50

Length of inlet from center of outlet and vent to end of thread, 4 inches; length of thread, 2 inches.

PLATE 1213-H

Price, 1 1/4-inch Inlet, 1 1/4-inch Outlet, 1 1/4-inch Vent.....	each	
" 1 1/16 " " 1 1/4 " " 1 1/4 " "	"	2.25
" 1 1/2 " " 1 1/4 " " 1 1/4 " "	"	2.75
" 1 1/4 " " 1 1/2 " " 1 1/2 " "	"	2.90
" 1 1/2 " " 1 1/2 " " 1 1/2 " "	"	2.40
" 1 1/16 " " 1 1/2 " " 1 1/2 " "	"	2.50
" 1 1/2 " " 1 1/2 " " 1 1/2 " "	"	2.75

Length of inlet from center of outlet and vent to end of thread, 4 inches; length of thread, 2 inches; inside diameter of hub for 1 1/4-inch I. P., 2 inches; 1 1/2-inch I. P., 2 1/4 inches.

PLATE 1214-H

Price, 1 1/4-inch Inlet, 1 1/4-inch Outlet, 1 1/4-inch Vent.....	each	
" 1 1/16 " " 1 1/4 " " 1 1/4 " "	"	2.10
" 1 1/2 " " 1 1/4 " " 1 1/4 " "	"	2.50
" 1 1/4 " " 1 1/2 " " 1 1/2 " "	"	2.75
" 1 1/2 " " 1 1/2 " " 1 1/2 " "	"	2.50
" 1 1/16 " " 1 1/2 " " 1 1/2 " "	"	2.50
" 1 1/2 " " 1 1/2 " " 1 1/2 " "	"	2.80

Length of inlet from center of outlet and vent to end of thread, 4 inches; length of thread, 2 inches.

1 1/16-inch inlet is for 1 1/4-inch lead trap, 1 1/16-inch for 1 1/2-inch lead trap.

Can be furnished with ground joint inlet if desired.

FINE THREAD BRASS FITTINGS

90° ELBOW



Plate 1215-H

45° ELBOW



Plate 1216-H

90° ELBOW
SLIP JOINT ONE END



Plate 1217-H

45° ELBOW
SLIP JOINT ONE END



Plate 1218-H

Size..... inches	1¼	1½
Price, 90° Elbows, Nickel-plated.....each	.50	.60
“ 45° “ “ “ “	.50	.60
“ 90° “ “ “ Slip Joint One End..... “	.65	.80
“ 45° “ “ “ “ “ “ “ “	.65	.80

90° ELBOW
SLIP JOINT BOTH ENDS

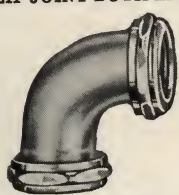


Plate 1219-H

TWIN ELBOWS
SLIP JOINT TWO ENDS

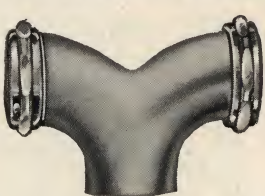


Plate 1220-H

TWIN ELBOWS
SLIP JOINT ALL ENDS

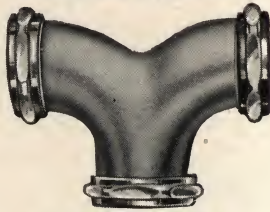


Plate 1221-H

Size..... inches	1¼	1½
Price, 90° Elbows, Nickel-plated, Slip Joint Both Ends.....each	.80	.95
“ Twin “ “ “ “ “ Two “ “	1.20	1.40
“ “ “ “ “ “ All “ “	1.30	1.50

All fittings can be reamed to solder if specified.

FINE THREAD BRASS FITTINGS

TEES

PLAIN



Plate 1222-H

SLIP JOINT TWO ENDS

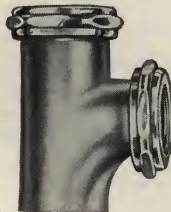


Plate 1223-H

SLIP JOINT ALL ENDS

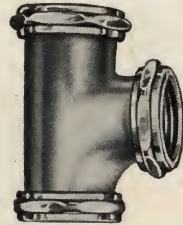


Plate 1224-H

PLAIN

Price, $1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$ inches, Nickel-plated	each	.60
" $1\frac{3}{8} \times 1\frac{3}{8} \times 1\frac{3}{8}$ " " "	"	.65
" $1\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{2}$ " " "	"	.75
" $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ " " "	"	.85

SLIP JOINT TWO ENDS

Price, $1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$ inches, Nickel-plated	each	.90
" $1\frac{3}{8} \times 1\frac{3}{8} \times 1\frac{3}{8}$ " " "	"	.95
" $1\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{2}$ " " "	"	1.10
" $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ " " "	"	1.10

SLIP JOINT ALL ENDS

Price, $1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$ inches, Nickel-plated	each	1.05
" $1\frac{3}{8} \times 1\frac{3}{8} \times 1\frac{3}{8}$ " " "	"	1.10
" $1\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{2}$ " " "	"	1.20
" $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ " " "	"	1.20

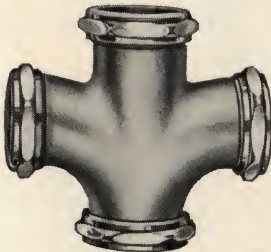
CROSS
SLIP JOINT ALL ENDS

Plate 1225-H

WASTE CAP



Plate 1226-H

Size	inches	$1\frac{1}{4}$	$1\frac{1}{2}$
Price, Crosses, Nickel-plated, Slip Joint All Ends	each	1.50	1.80
" Waste Caps, Nickel-plated	"	.35	.45

All fittings can be reamed to solder if specified.

CONTINUOUS LAVATORY WASTES

FOR THREE BASINS, OUTLET ON END

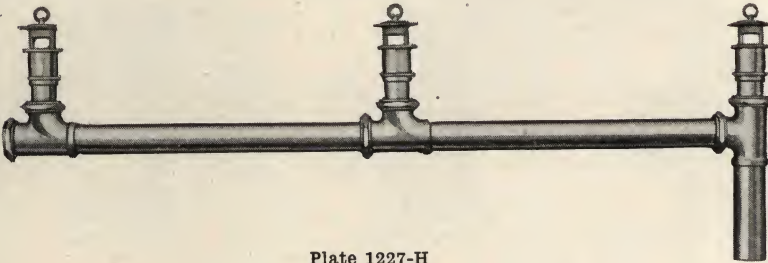


Plate 1227-H

Number of Inlets.....	2	3	4
Price, 1¼-inch, Rough.....each	4.70	7.10	9.75
“ 1¼ “ Finished.....“	4.85	7.40	10.50
“ 1¼ “ Nickel-plated.....“	5.00	7.75	11.00
“ 1½ “ Rough.....“	6.10	9.00	12.50
“ 1½ “ Finished.....“	6.30	9.50	13.25
“ 1½ “ Nickel-plated.....“	6.50	13.25	14.00

FOR THREE BASINS, OUTLET IN CENTER

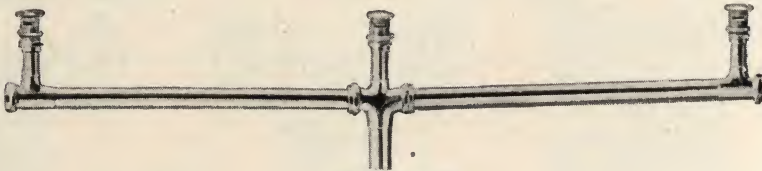


Plate 1228-H

Number of Inlets.....	3	5	7
Price, 1¼-inch, Rough.....each	7.30	13.00	18.00
“ 1¼ “ Finished.....“	7.65	13.50	19.00
“ 1¼ “ Nickel-plated.....“	8.00	14.00	20.00
“ 1½ “ Rough.....“	9.25	17.50	23.50
“ 1½ “ Finished.....“	9.75	18.50	24.75
“ 1½ “ Nickel-plated.....“	10.25	19.50	26.00

If P. O. plugs not wanted, deduct, each, .45.

Wastes are made to take 24-inch centers.

CONTINUOUS LAVATORY WASTES

FOR TWO BASINS, OUTLET IN CENTER

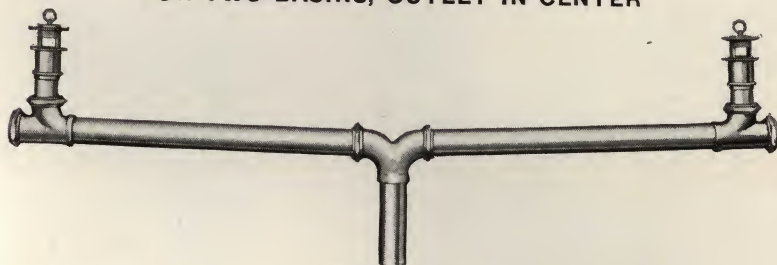


Plate 1229-H

Number of Inlets.....	2	4	6
Price, 1 $\frac{1}{4}$ -inch, Rough	5.70	11.40	14.90
" 1 $\frac{1}{4}$ " Finished	5.90	11.90	15.60
" 1 $\frac{1}{4}$ " Nickel-plated	6.10	12.40	18.30
" 1 $\frac{1}{2}$ " Rough	7.90	15.25	24.50
" 1 $\frac{1}{2}$ " Finished	8.15	15.35	25.50
" 1 $\frac{1}{2}$ " Nickel-plated	8.40	15.60	26.50

FOR LAVATORIES IN BATTERIES—THREE BASINS EACH SECTION,
OUTLET ON END

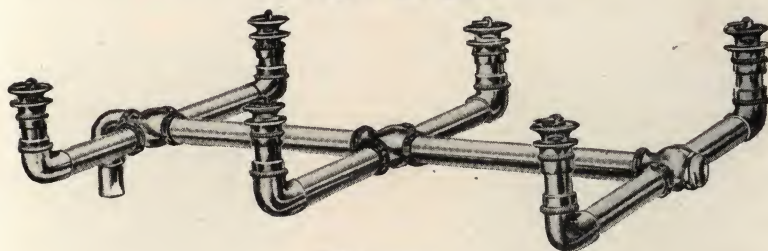


Plate 1230-H

Number of Inlets.....	4	6	8
Price, 1 $\frac{1}{4}$ -inch, Rough	13.80	18.00	22.80
" 1 $\frac{1}{4}$ " Finished	14.40	19.20	24.40
" 1 $\frac{1}{4}$ " Nickel-plated	15.00	20.50	26.00
" 1 $\frac{1}{2}$ " Rough	18.00	22.50	27.00
" 1 $\frac{1}{2}$ " Finished	19.00	24.00	29.00
" 1 $\frac{1}{2}$ " Nickel-plated	20.00	25.50	31.00

If P. O. plugs are not wanted, deduct, each, .45.

Wastes are made to take 24-inch centers.

RUMSEY COMBINATION BATH FITTINGS

COMPRESSION LOW BELL SUPPLY AND WASTE COMPRESSION TOP SUPPLY AND WASTE

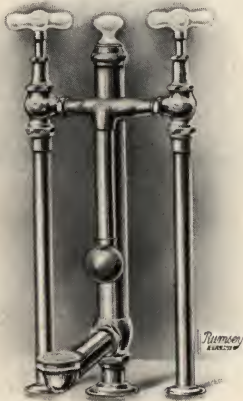


Plate 1231-H

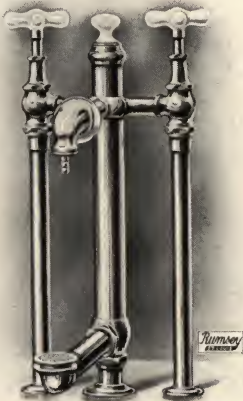


Plate 1232-H

Nickel-plated Compression Combination Low Bell Supply and Waste Fitting with Solid China Cross Handles and China Knob.
No. 1, Low Bell or Top Supply with 2 1/4-inch Waste and 3/4-inch Supply Pipes. Price 26.00
" 2, " " " " 2 " " 1 1/2 " " " " 17.50
If for China Bell, add 1.75
Nickel-plated Four-Ball Wheel Handles with China Escutcheons at same price.
If above Fittings with Rim Flanges with China Escutcheons, add..... 3.25

QUICK ACTION COMPRESSION
LOW BELL SUPPLY AND WASTE

QUICK ACTION COMPRESSION
TOP SUPPLY AND WASTE



Plate 1233-H



Plate 1234-H

Nickel-plated Quick Action Compression Combination Low Bell or Top Supply and Waste Fitting with China Lever Handles and China Knob. Price 26.50
If above Fittings with Rim Flanges with China Escutcheons, add..... 3.25

BATH WASTES

POP-UP

IMPERIAL



Plate 1235-H

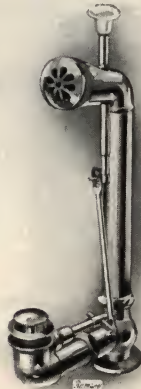


Plate 1236-H

CONNECTED
WASTE AND OVERFLOW

Plate 1237-H

Price, N. P. Imperial Lift Bath Waste with China Knob.....	each	8.00
“ “ “ “ “ “ Index.....	“	7.00
“ “ Pop-Up Bath Waste with China Knob.....	“	13.00
“ “ No. 2, 1½-in. Connected Waste and Overflow, Heavy Pat., Cast Strainer.....	“	4.60
“ “ “ 6, 1½-in. “ “ “ with Stamped Strainer.....	“	4.00
“ “ 1½-in. Connected Waste and Overflow, Heavy Pat., Cast Strainer.....	“	5.50

WITH PLAIN TRAP

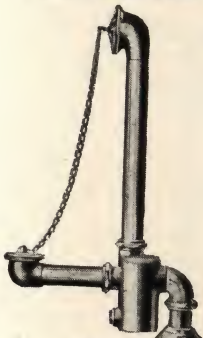


Plate 1238-H

CONNECTED WASTES
AND OVERFLOWS WITH
TRAP

WITH VENTED TRAP

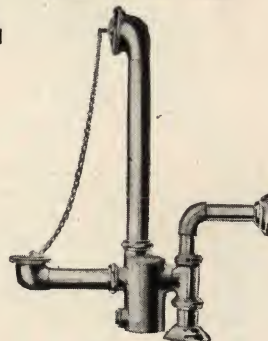


Plate 1239-H

Price, Nickel-plated, with Plain Trap					each	11.25
"	"	"	"	Vented Trap.....	"	13.00



Plate 1240-H

SALEM BATH TRAPS

These traps are made of virgin metal, which insures close drain and absolute assurance against leaks, being non-porous.

Size.....	inches	1 1/4	1 1/2
Price.....	each	2.10	2.40

COMBINATION FULLER BATH COCKS

No. 4½—3⅜ INCHES CENTER TO CENTER

WITH ⅝-INCH O. D.
TUBING SUPPLIES

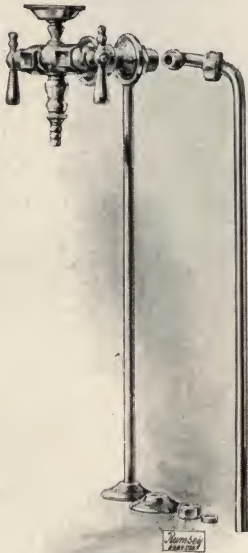


Plate 1241-H

WITH BALL OFFSET FITTINGS
AND SUPPLIES TO FLOOR

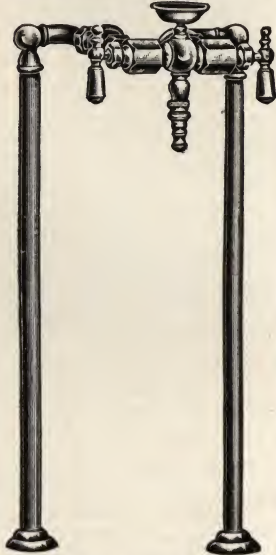


Plate 1242-H

PLATE 1241-H

Price, No. 4½, Hexagon Body, with ⅝-inch O. D., 14 Gauge, Annealed Tubing Supplies for I. P.....	each	7.55
“ No. 4½, Round Body, with ⅝-inch O. D., 14 Gauge, Annealed Tubing Supplies for I. P.....	“	7.30

These Supplies are furnished with Slip Joint Nut, Friction Ring and Washer to connect to ½-inch Iron Pipe.

PLATE 1242-H

Price, No. 4½, Hexagon Body, with Nickel-plated Ball Offset and I. P. Size Supplies	each	10.85
“ No. 4½, Hexagon Body, with Nickel-plated Ball Offset and 14 Gauge Supplies.....	“	9.85
“ No. 4½, Round Body, with Nickel-plated Ball Offset and I. P. Size Supplies.....	“	8.45
“ No. 4½, Round Body, with Nickel-plated Ball Offset and 14 Gauge Supplies.....	“	9.45

These Supplies are threaded for ½-inch Iron Pipe.

If with China Indexed Handles, add, per Cock1.50
“ Wheel Handle Stops are wanted on above Supplies, add, per pair.....1.50

BATH SUPPLY PIPES

PLAIN



Plate 1243-H

WITH STOP



Plate 1244-H

WITH AIR CHAMBER



Plate 1245-H

WITH BALL OFFSET COUPLINGS

Size inches	$\frac{1}{2}$ in. 14 Ga.	$\frac{1}{2}$ I. P. S.
Price, N. P., Plain per pair	3.00	3.80
" " with Stop "	6.35	7.15
" " " Air Chamber. " "	5.70	7.00

WITHOUT BALL OFFSET COUPLINGS

Size inches	$\frac{1}{2}$ in. 14 Ga.	$\frac{1}{2}$ I. P. S.
Price, N. P., Plain per pair	1.54	2.40
" " with Stop "	5.35	6.15
" " " Air Chamber.. " "	4.70	6.00

WITH STOP AND AIR CHAMBER



Plate 1246-H

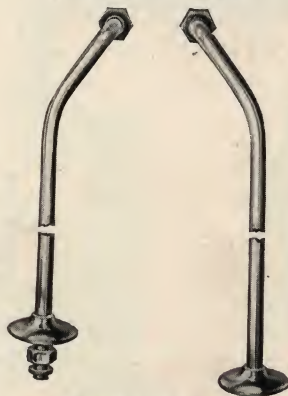
DOUBLE BEND
 $\frac{1}{8}$ -INCH O. D. TUBING

Plate 1247-H

WITH STOP AND AIR CHAMBER

WITH BALL OFFSET COUPLINGS

Size inches	$\frac{1}{2}$ in. 14 Ga.	$\frac{1}{2}$ I. P. S.
Price, N. P. per pair	7.65	10.20

WITHOUT BALL OFFSET COUPLINGS

Size inches	$\frac{1}{2}$ in. 14 Ga.	$\frac{1}{2}$ I. P. S.
Price, N. P. per pair	6.65	9.20

DOUBLE BEND, $\frac{9}{16}$ -INCH O. D. TUBING

Price, Nickel-plated per pair	2.25
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URINAL TRAPS

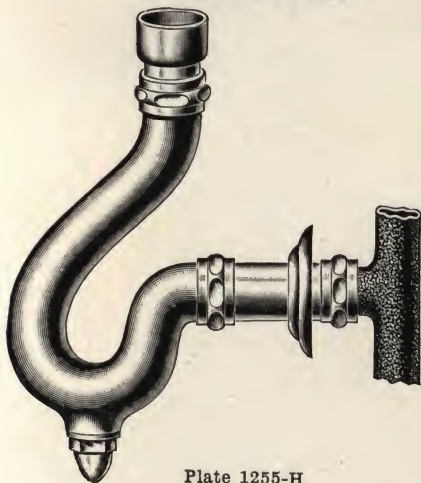
BAG TRAP
WITH VENTED OUTLET

Plate 1255-H

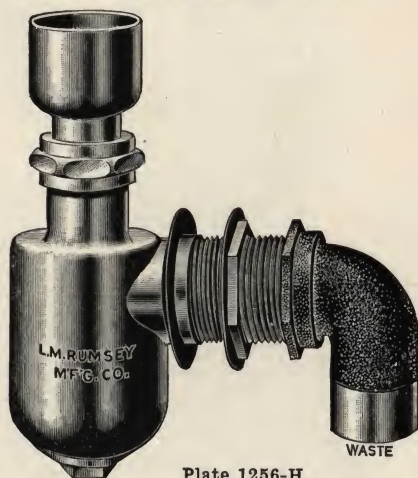
BOTTLE TRAP, WITH ADJUSTABLE FLANGE
NUT AND BENT COUPLING

Plate 1256-H

Price, Nickel-plated Bag Traps, with Vented Outlet	each	4.00
" " " Bottle Traps, with Adjustable Flange, Nut and Bent		
Coupling	"	4.25

BOTTLE TRAPS

WITH ADJUSTABLE FLANGE AND VENTED OUTLET

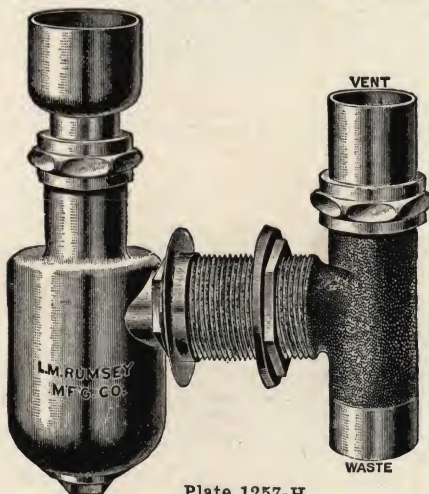


Plate 1257-H

Price, Nickel-plated	each	5.00
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URINAL STALL STRAINERS

WITH REMOVABLE GRATE

SECTIONAL VIEW

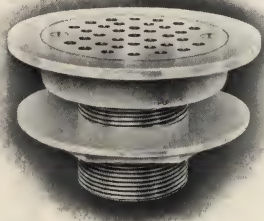


Plate 1258-H

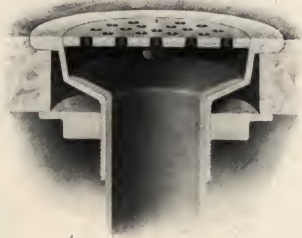


Plate 1259-H

Diameter of Flange.....	inches	4½	5
Thickness of Flange.....	inches	1¼	3⁄8
Price, for Lead or Iron Pipe Connection.....	each	3.50	3.75

WITH COUPLING TO CALK

WITH COUPLING FOR I. P.

WITH COUPLING FOR L. P.



Plate 1260-H

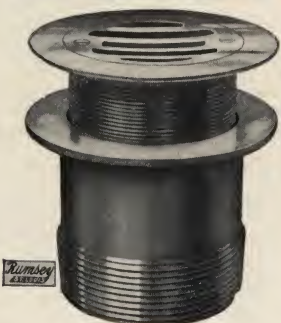


Plate 1261-H



Plate 1262-H

Price, with 4½-in. N. P. Flange and Remov. Strainer, Coupling to Calk. . ea.	3.60
" " 4½ " " " " " " " " " for Iron Pipe " "	4.00
" " 4½ " " " " " " " " " Lead " "	3.00

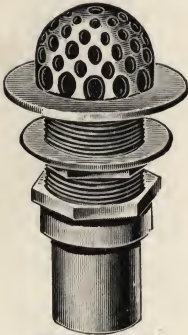


Plate 1263-H

BEEHIVE STRAINERS

Price, Finished Brass with Coupling and Tail Piece for 1½-inch Lead or Iron Pipe Connection with Flange 2⅞ inches Diameter 3⁄8 inch Thick.....each	3.50
Price, Finished Brass with Flange 4 inches Diameter 3⁄8 inch Thick for 2-inch Lead or Wrought Iron Pipe Connection	5.00
If Nickel-plated, add to above prices .....	.50

When ordering always state if for lead or wrought iron pipe connection. Couplings for lead pipe always sent unless otherwise specified.

DOUBLE VENTILATED SLATE CLOSET STALLS

FOR SCHOOLS AND PUBLIC BUILDINGS

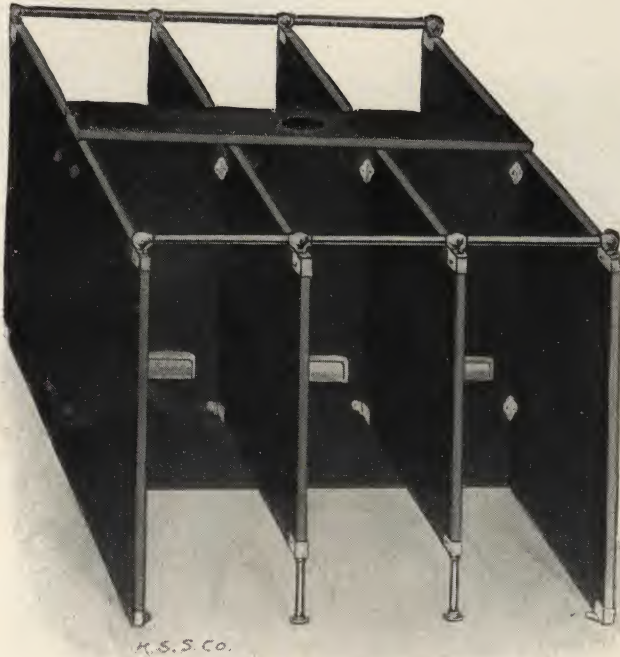


Plate 1300-H

Special Double Ventilated Slate Closet Stalls with Backs, Ends, Partitions and Caps. Back and End Slabs to Floor; Center Slabs supported on 12-inch Legs Clamps, Stirrups, Top Rail with Standards, Vent Hoods and Vent Flue Collar Nickel-plated.

Plans, dimensions and prices on application.

Special Double Ventilated Slate Closet Stalls for erection in center of room, well away from walls, to permit free passage of air from all sides, with ventilating hoods at back over closet seats, are especially designed to complete ventilated toilet rooms in connection with Ventilated Urinals. Ventilation is accomplished by ventilating hoods at back just over water closets, from which the air passes into the air space behind the back and out through a vent flue projecting through the vent hole in the cap. An efficient draft is created by connecting this vent pipe with a warm air flue or chimney.

SPECIAL SINGLE VENTILATED SLATE CLOSET STALLS

FOR SCHOOLS AND PUBLIC BUILDINGS

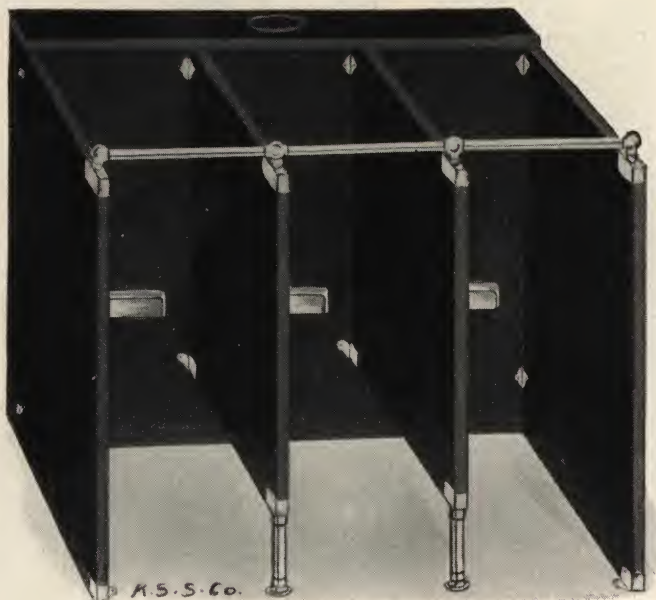


Plate 1301-H

Special Single Ventilated Slate Closet Stalls with Back, Ends, Partitions and Caps Back and Ends to Floor; Center Slabs supported on 12-inch Legs. Clamps, Stirrups, Top Rail with Standards, Vent Hoods and Vent Flue Collar Nickel-plated.

Plans, dimensions and prices on application.

Special Single Ventilated Slate Closet Stalls with ventilating hoods at back over closet seats, are especially designed to complete ventilated toilet rooms in connection with the Ventilated Urinals. Ventilation is accomplished by ventilating hoods at back just over water closets, from which air passes into the air space behind the back and out through a vent flue projecting through the vent hole in the cap. An efficient draft is created by connecting this vent pipe with a warm air flue or chimney.

CLOSET STALL PARTITIONS

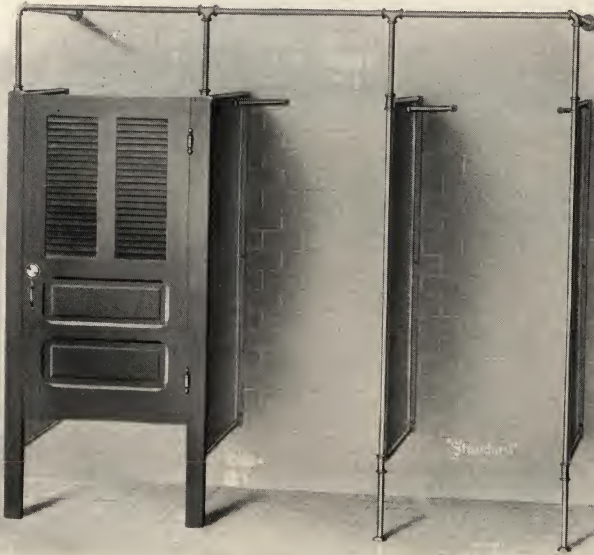


Plate 1302-H

Steel Closet Stall Partitions with Tubular Frame Front, Top and Bottom, Flanged Angle Iron on Back, Standards with Flanges, Top Rail and Wall Braces, with Enclosed Stall, with Oak Door, for 30-inch Wide Enclosure, with Hinges, Pull and Indicator Bolt. Partitions $3\frac{1}{2}$ feet Wide, 5 feet High, Bottom 12 inches from Floor.

Price, Two Open and One Enclosed Stall.....	85.00
“ for each additional Open Stall.....	17.50
“ “ “ “ Enclosed Stall.....	33.00
“ One Open Single Stall.....	35.00
“ for each additional Open Stall.....	17.50
“ One Closed Single Stall.....	50.00
“ for each additional Closed Stall.....	33.00
“ “ “ Partition	15.00

Partitions regularly furnished painted one coat of White Iron Filler. Can be furnished with White Enamel Paint at additional cost.

URINAL AND CLOSET STALL TRIMMINGS

HINGES

No. 1
DOUBLE BOX FLANGE
DOUBLE-ACTING

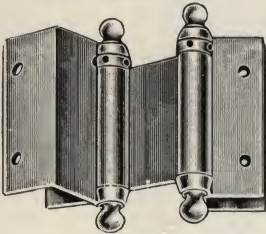


Plate 1303-H

No. 2
GOVERNMENT
DOUBLE BOX FLANGE

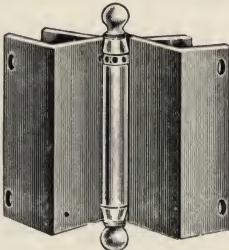


Plate 1304-H

No. 3
ADJUSTABLE
SPRING

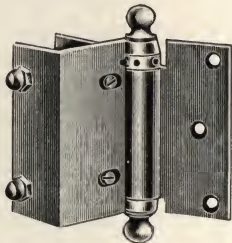


Plate 1305-H

Number	1	2	3
Price, Nickel-plated Brass.....per pair	10.00	8.00	4.50

No. 4, BLANK

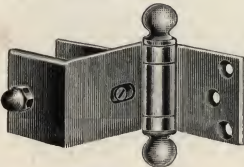


Plate 1306-H

No. 5, BLANK

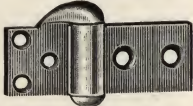


Plate 1307-H

Number	4	5
Price, Nickel-plated Brass.....per pair	3.00	2.50

No. 8
MORTISE BOLT

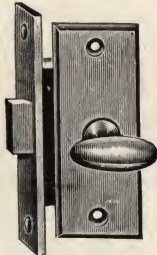


Plate 1310-H

No. 6
RIM BOLT

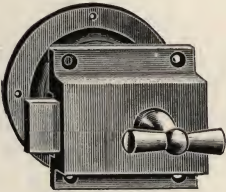


Plate 1308-H

No. 7
SLIDE BOLT

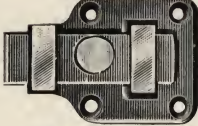


Plate 1309-H

No. 9
INDICATOR DIAL



Plate 1311-H

Number	6	7	8	9
Price, Nickel-plated Brass.....each	1.10	1.00	1.50	.60

When ordering, specify thickness of marble and door.
Fixed flange hinges made to fit marble from 7/8 inch to 2 1/4 inches in thickness.
Packed with bolts and nuts.

URINAL AND CLOSET STALL TRIMMINGS

STRIKES

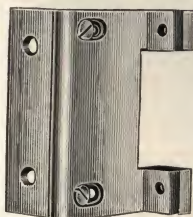
No. 10
ADJUSTABLE
FOR DOORS
SWINGING OUT

Plate 1312-H

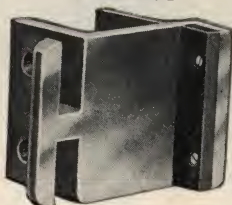
No. 11
FOR DOORS SWINGING
IN OR OUT

Plate 1313-H

No. 12
ADJUSTABLE
FOR DOORS
SWINGING IN

Plate 1314-H

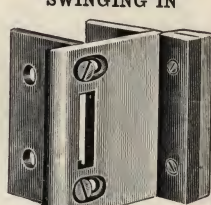
No. 13
ADJUSTABLE
FOR DOORS
SWINGING IN

Plate 1315-H

Number	10	11	12	13
Price, Nickel-plated Brass..... each	1.20	1.10	1.10	1.10

CLAMPS

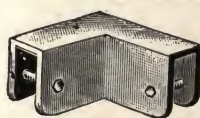
No. 14
LEFT-HAND CORNER

Plate 1316-H

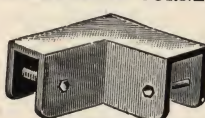
No. 15
RIGHT-HAND CORNER

Plate 1317-H

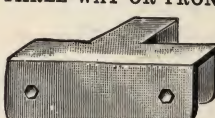
No. 16
THREE-WAY OR FRONT

Plate 1318-H

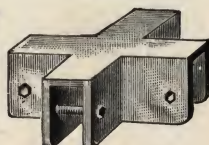
No. 17
CROSS

Plate 1319-H

Number	14	15	16	17
Price, Nickel-plated Brass..... each	1.50	1.50	1.75	2.00

No. 18 COMBINATION HOOK

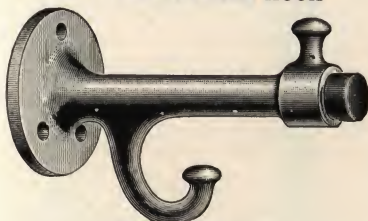


Plate 1320-H

No. 19
DOOR PULL

Plate 1321-H

Price, N. P. Brass Combination Hooks, 4½ inches Long, ½-inch Rubber Door Bumper. each	1.00
“ “ “ Door Pulls..... “	.50

NICKEL-PLATED OR POLISHED BRASS TUBING

Diameter	inches	1⅛	1¼	1½
Price, 20 Gauge.....	per foot	.50	.65	.80

Packed with bolts and nuts.

URINAL AND CLOSET STALL TRIMMINGS

TUBING LEGS

PARTITION
No. 1



Plate 1322-H

CORNER
No. 2

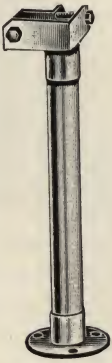


Plate 1323-H

CENTER
No. 3



Plate 1324-H

END
No. 4



Plate 1325-H

Number.....	1	2	3	4
Price, Finished or Nickel-plated.....each	2.70	2.35	2.30	2.30

Height of legs, 9 to 12 inches.

TOP STANDARDS—ENDS

No. 5



Plate 1326-H

No. 6



Plate 1327-H

No. 7



Plate 1328-H

No. 8



Plate 1329-H

Number.....	5	6	7	8
Price, Finished or Nickel-plated.....each	2.35	2.40	2.40	2.45

Top rail branches take 1 1/8-inch O. D. railing.
Prices on application when larger than 1 1/8-inch railing is required.
Packed with bolts and nuts.

URINAL AND CLOSET STALL TRIMMINGS

TOP STANDARDS

CENTERS

No. 9



Plate 1330-H

No. 10



Plate 1331-H

No. 11



Plate 1332-H

No. 12



Plate 1333-H

Number	9	10	11	12
Price, Finished or Nickel-plated	2.35	2.40	2.40	2.45

PARTITIONS

No. 13



Plate 1334-H

No. 14



Plate 1335-H

No. 15



Plate 1336-H

No. 16



Plate 1337-H

Number.....	13	14	15	16
Price, Finished or Nickel-plated.....	3.25	3.30	3.30	3.35

Top rail branches take $1\frac{1}{8}$ -inch O. D. railing.

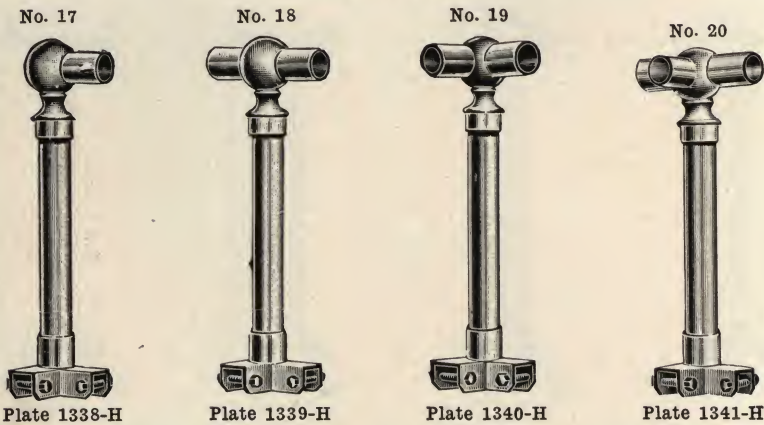
Prices on application when larger than $1\frac{1}{8}$ -inch railing is required.

Packed with bolts and nuts.

URINAL AND CLOSET STALL TRIMMINGS

TOP STANDARDS

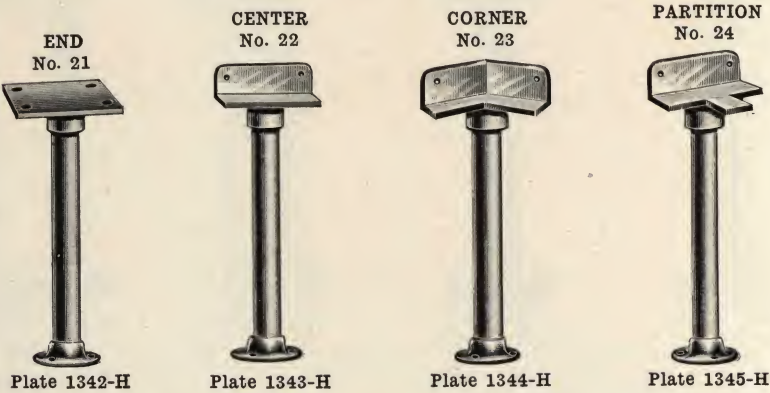
CORNERS



Number	17	18	19	20
Price, Finished or Nickel-plated.....each	2.70	2.75	2.75	2.80

Top rail branches take 1½-inch O. D. railing.
Prices on application when larger than 1½-inch railing is required.

TUBING LEGS FOR WOOD



Number	21	22	23	24
Price, Finished or Nickel-plated.....each	2.30	2.30	2.35	2.70

Packed with bolts and nuts.

URINAL AND CLOSET STALL TRIMMINGS

STIRRUPS

TOP LEFT OR BOTTOM RIGHT

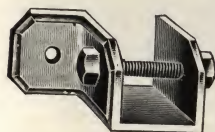


Plate 1346-H

CENTER

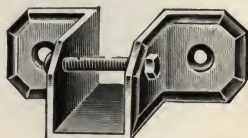


Plate 1347-H

TOP RIGHT OR BOTTOM LEFT

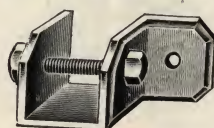


Plate 1348-H

Description	Top Left or Bottom Right	Center	Top Right or Bottom Left
Price, Finished or Nickel-plated.....each	.70	.90	.70

The above take marble $\frac{7}{8}$ to $1\frac{1}{4}$ inches.

CLAMPS

STANDARD

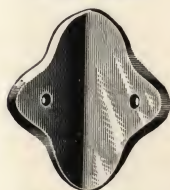


Plate 1349-H

PLAIN



Plate 1350-H

HEAVY PATTERN



Plate 1351-H

Price, Standard, Finished or Nickel-plated, $2 \times 2 \times 3\frac{1}{4}$ inches.....each	.45
" Plain " " " " $2\frac{1}{8} \times 2\frac{1}{8} \times 2\frac{3}{4}$ inches..... "	.40
" Heavy Pattern, Finished or Nickel-plated, $2 \times 2 \times 3\frac{1}{2}$ inches..... "	1.00

FLAT PLATES

Size	2x4	$2\frac{1}{4} \times 5$	$2\frac{7}{8} \times 7$
Price, Finished or Nickel-plated.....each	1.00	1.25	1.75

Packed with bolts and nuts.

URINAL AND CLOSET STALL TRIMMINGS

TUBE TIES



Plate 1352-H

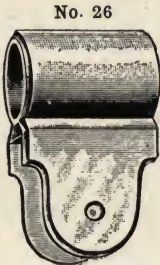


Plate 1353-H

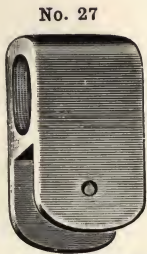


Plate 1354-H

Number.....	25	26	27
Price, Finished or Nickel-plated.....each	1.00	1.50	1.00

No. 28 TUBE TIE



Plate 1355-H

TUBE END



Plate 1356-H

WALL FLANGE



Plate 1357-H

Price, No. 28 Tube Ties, Finished or Nickel-plated.....each	1.00
“ Tube Ends, Finished or Nickel-plated..... “	.50
“ Wall Flanges, Finished or Nickel-plated..... “	.50

BOLTS

No. 1



Plate 1358-H

No. 2



Plate 1359-H

No. 3



Plate 1360-H

No. 4



Plate 1361-H

ROUND WASHER



Plate 1362-H

CAPS

No. 5



Plate 1363-H

No. 6



Plate 1364-H

BOLTS

Number.....	1	2	3	4
Price.....per dozen	1.50	1.25	1.00	1.00

WASHERS AND CAPS

Price, Round Washers, Nickel-plated Brass.....per dozen	.25
“ No. 5 Caps, Nickel-plated Brass..... “	.50
“ “ 6 “ “ “ “..... “	.60

BRASS RODS, CONTINUOUS THREAD



Plate 1365-H

Price, 1/4-inch, 20 Thread.....per foot	.15
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CLOSET STALL FITTINGS GOVERNMENT TYPE

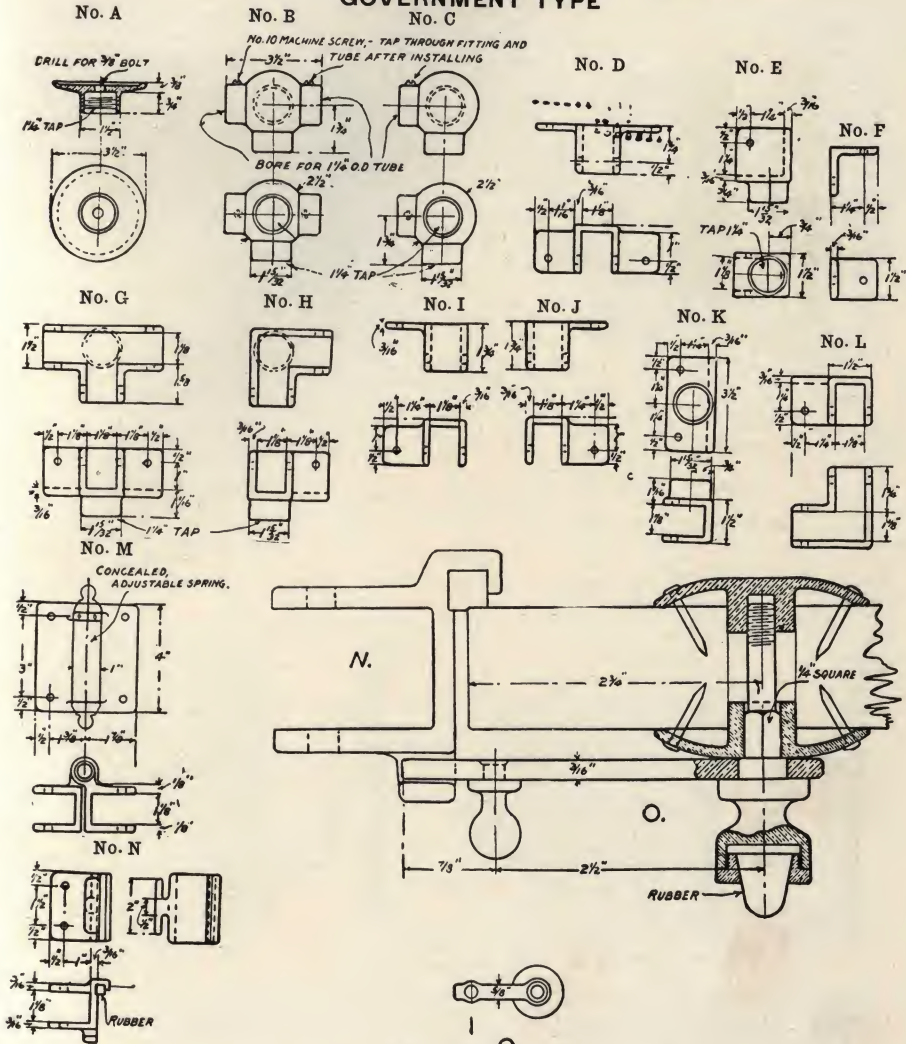


Plate 1366-H

Price, No. A each	1.00	Price, No. E each	1.50	Price, No. I each	.80	Price, No. M . pair	8.00
" " B "	1.70	" " F "	.45	" " J "	.80	" " N each	1.50
" " C "	1.50	" " G "	1.75	" " K "	1.60	" " O "	2.50
" " D "	1.00	" " H "	1.50	" " L "	1.30	.....	.....

$1\frac{1}{4}$ inch, 14 gauge tubing, per foot 1.00. $\frac{3}{8}$ -inch expansion bolts each, .30. All bosses marked "tap" are to be tapped for $1\frac{1}{4}$ -inch O. D. tube and countersunk. All tubes must be $1\frac{1}{4}$ -inch O. D. No. 14 B. and S. gauge, seamless drawn nickel-plated brass. Bolt holes are to be for $\frac{1}{4}$ -inch bolts, except where otherwise noted.

GREASE TRAPS



Plate 1400-H



Plate 1401-H

PLATE 1400-H

Brass trap, with removable top, 2-inch inlet, outlet and vent connections. Diameter, 5 inches. Height, 10 inches.

Price, as described, Polished Brass.....	16.00
" " " Nickel-plated.....	18.00

PLATE 1401-H

Cast iron trap with removable top and swivel bolts. Diameter, 17 inches. Height, 13 inches.

Price, Enameled Inside.....	11.00
" " " and Outside.....	17.00
" Painted " " ".....	7.00

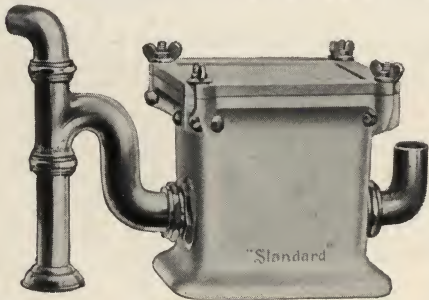


Plate 1402-H

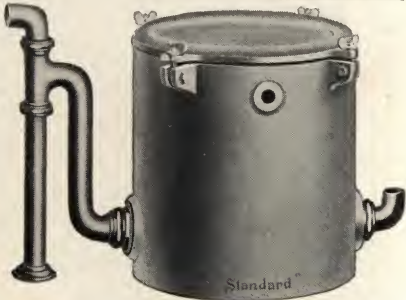


Plate 1403-H

PLATE 1402-H

Cast iron trap with removable top and swivel bolts, brass inlet, outlet and vent connections. Length, 13 inches. Width, 10 inches. Height, 10 inches.

Price, Enameled Inside.....	13.00
" " " and Outside.....	16.00
If with 2-inch Connections, add.....	2.50
" " Nickel-plated Connections (both sizes), add.....	1.50

PLATE 1403-H

Cast iron trap with water jacket, removable top and swivel bolts, 2-inch brass inlet, outlet and vent connections. Diameter, 18¾ inches. Height, 17 inches.

Price, Enameled All Over, as described.....	65.00
" " Inside, with Spuds only.....	35.00
If with Nickel-plated Connections, add.....	3.00

GREASE TRAPS

(Dehn's "Acme" Patent)

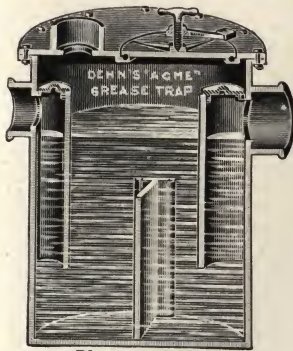
No. 112 "ACME" DOUBLE-TRAPPED

Plate 1404-H

No. 113 "ACME" DOUBLE-TRAPPED WATER COOLING

No. 112 grease traps are especially designed for two-flat work, large residences, restaurants and hotels. They are so constructed that the partitions inside of the basin can be removed and replaced with a water jacket partition.

No. 113 traps keep the water in the basin at a low temperature by connecting the cold water supply pipe leading to kitchen sink or other fixtures with the water jacket in the basin. The grease is thereby congealed as soon as it enters the basin.

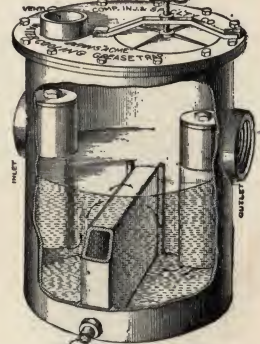


Plate 1405-H

Number.....	15-1	18-1	24-1	30-1	38-1	24-2	30-2	38-2
Diameter of Top.....inches	12	12	20	20	20	24	24	24
Depth Over All....."	15	18	24	30	38	24	30	38
Waste Inlet....."	2	2	4	4	4	4	4	4
" Outlet....."	2	2	4	4	4	4	4	4
Vent Hub, No. 112....."	1 1/2	1 1/2	2	2	2	2	2	2
" " " 113....."	1 1/2	1 1/2	2	2	2	4	4	4
Price, No. 112, Painted.....each	18.00	20.00	30.00	40.00	55.00	50.00	62.00	75.00
" " " 113, "....."	28.00	30.00	45.00	55.00	70.00	55.00	70.00	85.00

Furnished enameled inside at special prices.



Plate 1406-H

No. 111 HYGIENIC

This trap is designed to absolutely prevent the escape of sewer gas and is not liable to syphon. It is readily accessible for cleaning. The reseal opening in the partition positively seals the outlet to the sewer under all conditions. Sewer gas cannot escape when cover is removed. Size of opening: Inlet, 1 1/2-inch I. P.; outlet, 1 1/2-inch I. P.; length, 13 inches; width, 9 inches; depth, 9 inches; grease space, 6x11 inches.

Price, Painted Inside and Outside.....each	10.00
" " " " " Painted Outside.. "	15.00
" " " " " Outside..... "	20.00

Straight or bent brass solder unions furnished, if desired. Extra, per set, 1.50. No. 2

EXCELSIOR

No.	Lgth. In.	Wdth. In.	Dpth. In.	Size of Con- nections Inches	PRICE, EACH		
					Painted	Enam. Inside	Enam. In and Out
1	18	12	10	2	14.00	21.00	27.00
2	12	8	9	1 1/2	12.00	15.00	19.00



Plate 1407-H

COPPER RANGE BOILERS

WILHELMI, 250 POUNDS TEST

Horizontal or Vertical

Capacity Gallons	Diam- eter Inches	Height Inches	Price Each	Price Boxing Net
30	12	60	30.00	1.00
35	13	60	35.00	1.00
40	14	60	40.00	1.00
50	16	60	50.00	1.00
60	18	60	60.00	2.00
80	20	60	80.00	2.00
100	22	62	100.00	2.00
120	22	73	125.00	3.00
125	22	76	130.00	3.00
125	24	69	145.00	3.00
150	24	78½	185.00	3.00
200	26	87	255.00	4.00
225	26	98	300.00	4.00
250	26	108	325.00	5.00
250	30	82	350.00	5.00
300	30	98	420.00	5.00

WILHELMI

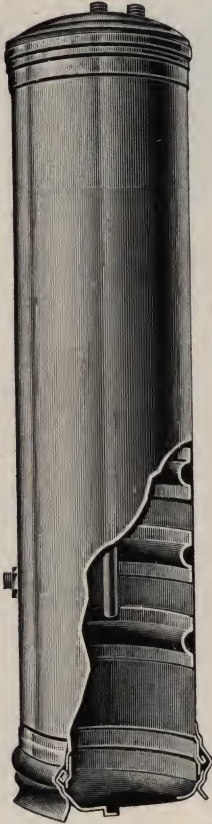


Plate 1408-H

MODERN

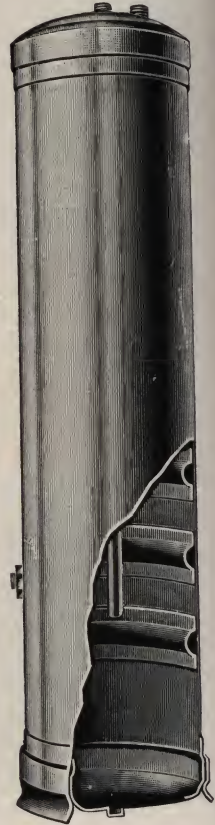


Plate 1409-H

Boilers tested at 250 pounds pressure are guaranteed to stand a working pressure of 150 pounds and against collapse. Guarantee does *not hold good* where a check valve or pressure regulator is used on supply pipe. All couplings furnished for ¾-inch iron pipe, unless otherwise ordered.

MODERN, 200 POUNDS TEST

30	12	60	30.00	....
35	13	60	35.00	....
40	14	60	40.00	....
50	16	60	50.00	....
60	18	60	60.00	....
80	20	60	80.00	....
100	22	62	100.00	....
120	22	73	125.00	3.00
125	22	76	130.00	3.00
125	24	69	145.00	3.00
150	24	78½	185.00	3.00

Boilers tested at 200 pounds are guaranteed to stand a working pressure of 100 pounds and against collapse. Guarantee does *not hold good* where a check valve or pressure regulator is used on supply pipe. All couplings furnished for ¾-inch iron pipe, unless otherwise ordered.

No horizontal boilers furnished in Modern style.

No charge for couplings or crating up to 100 gallons, inclusive.

GALVANIZED RANGE BOILERS

STANDARD AND EXTRA HEAVY

WORKING PRESSURE STANDARD, UP TO 85 POUNDS
EXTRA HEAVY, UP TO 150 POUNDS**VERTICAL**

Plate 1410-H

Capacity Gallons	Diameter Inches	Length Feet	Price, Standard or Extra Heavy Horizontal or Ver- tical, Each
12	10	3	12.50
18	12	3	14.50
21	12	3½	15.50
24	12	4	15.75
24	14	3	19.00
27	12	4½	18.50
28	14	3½	20.25
30	12	5	19.00
32	14	4	21.00
35	13	5	21.00
36	12	6	24.50
36	14	4½	21.50
40	14	5	24.00
42	16	4	26.00
47	16	4½	30.00
48	14	6	30.00
52	16	5	31.00
53	18	4	31.50
63	16	6	38.00
66	18	5	38.00
79	18	6	44.00
82	20	5	45.50
98	20	6	61.50
100	22	5	63.50
120	22	6	74.00
120	24	5	72.50
144	24	6	103.00
168	24	7	120.00
192	24	8	132.00

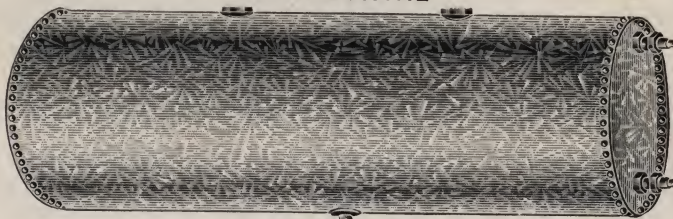
HORIZONTAL

Plate 1411-H

All boilers have spuds tapped for 1-inch iron pipe; for larger tapplings an extra charge will be made as follows:

Size	inches	1¼	1½	2	2½	3	4
Price, net.....	each	.25	.25	.50	1.00	1.50	2.00

Any special tapplings made at extra charge. Unless otherwise specified on orders, we will ship standard weight boilers.

**GALVANIZED RANGE BOILERS
WITH 1-INCH GALVANIZED IRON STEAM COIL**

HORIZONTAL, TOP INLET



Plate 1413-H

HORIZONTAL, BOTTOM INLET



Plate 1414-H

HORIZONTAL, END INLET

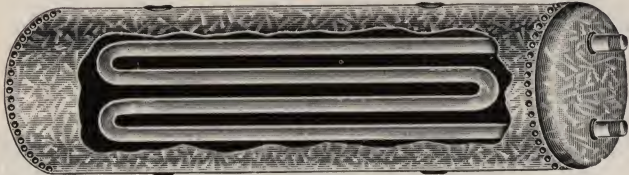


Plate 1415-H

VERTICAL



Plate 1412-H

1-INCH COILS FOR RANGE BOILERS

Diameter of Boiler.....inches	12	13	14	16	18	20	22	24
Lineal Feet in Coil.....	10	11	12	14	16	17	18	20
Price.....each	10.50	11.25	12.00	16.00	18.00	21.00	25.00	30.00

NOTE.—To obtain the price of a boiler with coil, add the price of coil to the regular price of boiler of corresponding diameter.

Copper or brass coils on application.

Unless otherwise specified on orders we will ship standard weight boilers with galvanized iron coil.

BOILER STANDS, HANGERS AND BRACKETS

BOILER STANDS

REGULAR



Plate 1416-H

No. 5 ADJUSTABLE

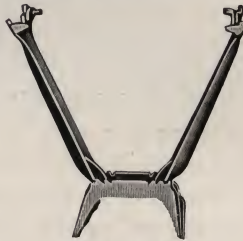


Plate 1417-H

TRIPOD



Plate 1418-H

REGULAR

Ring.....inches	12	13	14	15	16	17	18	20	22	24
Price, Plain...each	1.25	1.30	1.40	1.50	1.75	1.85	2.00	2.25	2.75	3.50
" Galv.... "	2.50	2.60	2.70	3.00	3.25	3.60	3.80	4.50	5.00	6.50

No. 5 ADJUSTABLE

Price, Plain, for 30, 35 or 40-gallon Boilers.....	each	1.00
--	------	------

TRIPOD

Price, Plain, for 30, 35 or 40-gallon Boilers.....	each	1.50
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IRON HANGER



Plate 1419-H

IRON BRACKET

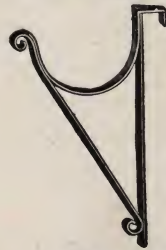


Plate 1420-H

IRON HANGERS AND BRACKETS

For Horizontal Boilers

Size.....inches	12	14	16	18	20	22	24
Price, Hangers, Plain..... per pair	6.50	6.80	7.00	7.50	8.00	8.80	9.80
" " Galvanized.... "	13.00	13.60	14.00	15.00	16.00	17.60	19.60
" Brackets, Plain..... "	11.00	11.50	12.50	13.50	19.00	20.00	28.00
" " Galvanized.... "	22.00	23.00	25.00	27.00	38.00	40.00	56.00

“PEERLESS” KITCHEN BOILERS
COMBINED BOILER AND WATER HEATER
WITH GASOLINE BURNER

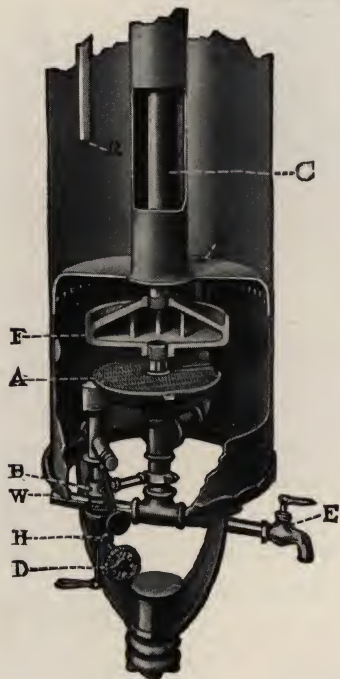


Plate 1421-H

This burner is operated under pressure from a pressure tank that also holds the gasoline. The outfit consists of boiler, boiler stand, door in boiler for access to burner, special gasoline burner, 5-gallon pressure tank for gasoline and air (larger tanks may be had if desired), pressure gauge, large brass floor pump, valves, and connections, and 10 feet of hollow copper wire to feed burner.

Those already having gasoline pressure lights can use this boiler and burner with the same system; or, from our outfit, one can operate lamps and stove all under one system and at a very low cost.

Our gasoline burner is very powerful and will heat a tank of water very quickly.

Full instructions for installing and operating accompanies each outfit.

The gasoline tank used in connection with this system can be placed anywhere in the house or can be buried outside, thus eliminating any possible chance of danger, and making the outfit absolutely safe.

- A—Burner.
- B—Generator.
- C—Hollow copper wire.
- D—Valve stem.
- E—Sediment cock.
- F—Water disc.
- G—Hot water passing to boiler.
- H—Packing nut.
- K—Cold water passing to disc.
- R—Cold water passing into boiler.

Number	1	2	3	4	5	6
Estimated Capacity (Range Boiler Same Size) .gallons	18	30	40	66	82	100
Heightfeet	3	5	5	5	5	5
Diameterinches	12	12	14	18	20	22
Price, Complete.	42.00	43.00	45.00	67.00	72.00	95.00

Boiler stand not included in price.

"PEERLESS" COMBINED BOILERS AND GAS WATER HEATERS

FOR NATURAL OR ARTIFICIAL GAS

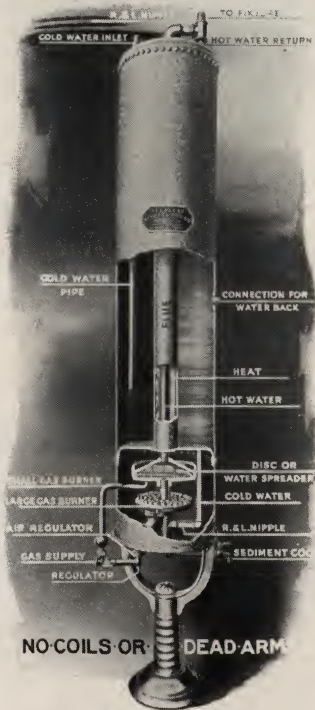


Plate 1422-H

The "Peerless" can also be furnished for use with gasoline instead of gas. The gasoline outfit consists of special burner and valves, 5-gallon tank, pressure gauge, pump and 10 feet of hollow wire and all valve connections.

Number.....	1	2	3	4	5	6
Estimated Capacity (Range Boiler Same Size) gallons	18	30	40	66	82	100
Height..... feet	3	5	5	5	5	5
Diameter..... inches	12	12	14	18	20	22
Price..... each	27.00	28.00	30.00	52.00	57.00	80.00

Gasoline outfit, 15.00 additional.

Boiler stand not included in price.

Fire doors included if wanted.

Flue connections furnished when requested.

The "Peerless" is a combined boiler and water heater, and when properly connected with gas, will supply hot water in quick time and at very small cost.

Connections may be made to furnace or water back for winter use, and it will operate the same as the ordinary tank.

The "Peerless" has two distinct burners. The small burner consumes from 5 to 7 feet of gas per hour, and will keep a good supply of hot water continuously without the use of the large or main burner.

It is necessary to use the main burner only when an extra and a large supply of hot water is wanted hurriedly.

The "Peerless" has over 5 square feet of heating surface.

Boilers corresponding in size to 18, 30, 40, 66, 82 and 100-gallon range boilers kept in stock. Larger sizes up to 192-gallon made to order.

When installed the small burner must be kept on the outside of boiler, as shown in illustration.

Vent pipe can be used if desired.

LAWSON WATER HEATERS

CAST IRON JACKET TRIPLE COIL

DOUBLE COIL

SINGLE COIL

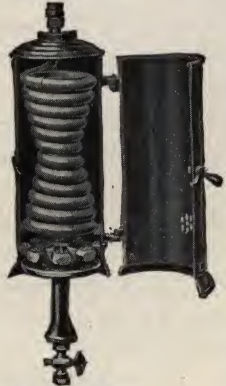


Plate 1423-H
THERMOSTATIC
VALVE

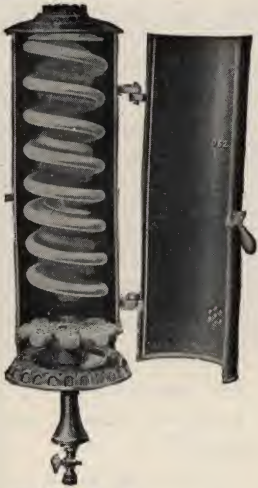


Plate 1424-H



Plate 1425-H



Plate 1426-H

Construction of the most durable type, cast iron jacket, top and base, all black japan finish. Specially constructed, high power star burner, cast iron deflectors, heavy brass tee handle cock. The double coil heater has one coil set within the other, increasing the heating surface and heating capacity, giving hot water practically on the instant. The triple coil heater is for big requirements, adapted for large dwellings, apartments, etc. 3/4-inch tube.

The use of the thermostatic valve with these heaters is earnestly recommended. It may be set for any predetermined degree of heat desired. While the temperature of the water is below this mark the valve is open full and the gas burns to full capacity, and gradually, as the temperature rises to the desired point, the valve closes and keeps only a flame sufficient to keep the temperature at this point.

Style.....	SINGLE COIL				DOUBLE COIL		TRIPLE COIL
Number.....	5	6	7	8	20	22	24
Height.....inches	15	17	19	21	20	24	28
Diameter....."	7	7	7	7	7	7	8 1/2
Price.....each	7.70	8.85	10.50	12.25	14.25	16.25	27.50

For range boilers as follows: Nos. 5 and 6, for 24, 30 or 32-gallon; No. 7, for 35 or 40-gallon; No. 8, for 50 or 60-gallon; Nos. 20 and 22, for 30, 35 or 40-gallon; No. 24, for 50 or 60-gallon. In ordering, state if for natural or manufactured gas.

THERMOSTATIC VALVES

Price, No. 4, without Temperature Indicator, 3/8-inch Connection.....	each	6.00
" " 5, with " " 3/8 " "	"	7.00
" " 6, " " 1/2 " "	"	7.00
" " 7, " " 1/2 " "	"	16.00

LAWSON WATER HEATERS

STEEL JACKET, SINGLE COIL



Plate 1427-H



Plate 1428-H

NATURAL OR ARTIFICIAL GAS

Jacket is polished steel, asbestos lined. Brass jacket furnished, if specified. Cast top and base, black japan finish. Copper coil with heavy brass unions. Cast iron deflectors. Cast iron burner (one piece, including mixer), nickel-plated cock for manufactured gas; needle valve for natural gas. $\frac{3}{4}$ -inch tube.

Number.....	0	1	1½	2	3
Height.....inches	12½	15	17½	20	23
Diameter....."	7½	7½	7½	7½	7½
Size of Boilers Suitable for...gallons	24, 30 or 32	24, 30 or 32	24, 30 or 32	35 or 40	50 or 60
Price, with Steel Jacket.....each	5.80	6.60	7.90	9.20	12.50
" " Brass "....."	7.75	8.75	10.75	11.75	15.25

No. 0 furnished for natural gas only. No. 1 not recommended for artificial gas. In ordering, state whether for natural or manufactured gas.

GASOLINE

Gasoline heaters supply the means for heating water in localities where gas is not available. They are constructed similarly to the gas heater, except for the burner and attachments required for it. In efficiency they are equal to the gas heaters and guaranteed thoroughly reliable and dependable in all respects. $\frac{3}{4}$ -inch tube.

Number.....	1	2
Height.....inches	30	35
Diameter....."	7½	7½
Size of Boilers Suitable for...gallons	30	40
Price, with Steel Jacket.....each	32.00	38.00
" " Brass "....."	35.00	42.00

All heaters will be furnished with steel jackets, unless otherwise ordered.

HOFFMAN INSTANTANEOUS AUTOMATIC
GAS WATER HEATERS

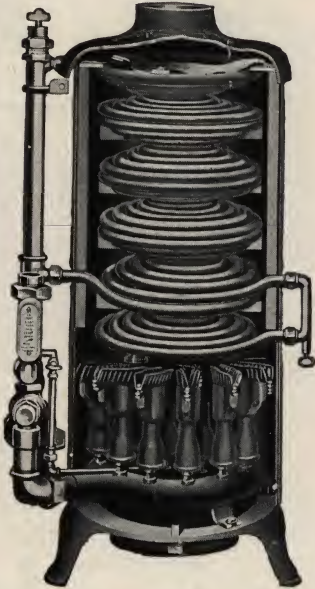


Plate 1429-H



Plate 1430-H

The Hoffman is designed to develop the greatest possible efficiency consistent with economy in operation.

The heater has a double cast iron shell with $\frac{7}{8}$ -inch dead air space between the jackets. The double doors above and below are self-closing and the No. 4D and No. 6F are also equipped with double doors in the rear to give ready access to the rear of the coils. The top casting contains a deflecting plate which prevents down draft from blowing out the pilot.

The coils are of 18 gauge seamless drawn copper tubing, tested to 300 pounds pressure. These heaters are equipped with a new and improved type of thermostat. It acts on the water valve instead of on the gas valve, thus reversing the action of the water valve by opening a port which throws the water pressure on the opposite side of the plunger, which drives it back to place, releasing the pressure from the gas valve, which is forced shut by this reversed action of the water valve.

No.	Capacity Gallons per Minute	DIMENSIONS, INCHES		Shipping Weight Pounds	Price Each
		Diameter	Height		
2½D	2½	13	39	200	65.00
3D	3	15	41	250	85.00
4D	4	17	45	350	100.00
6F	6	19	49	500	130.00

HUMPHREY INSTANTANEOUS BATH WATER HEATERS

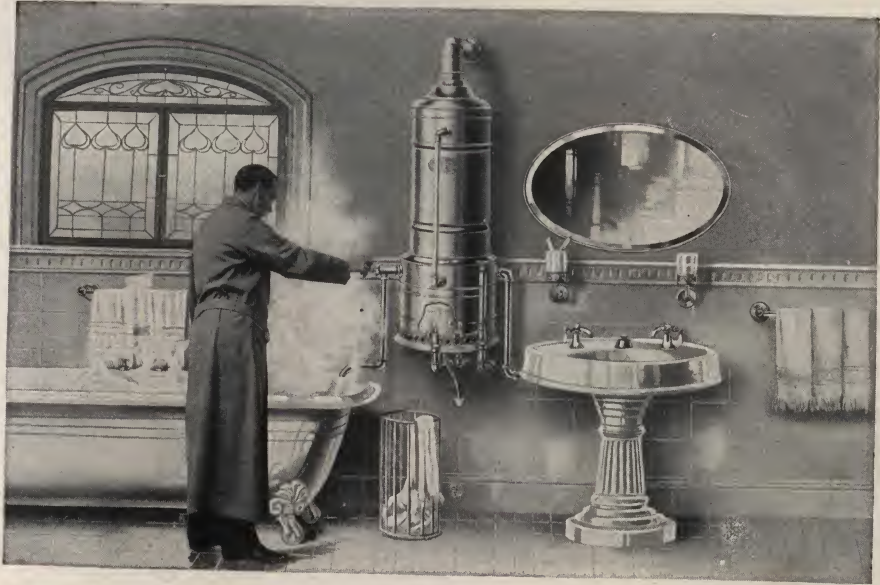


Plate 1431-H

A new and exclusive feature of these heaters is the improved pilot lock. This is a part of the gas valve and makes it impossible to turn on the gas to the main burner without first turning on gas to the pilot, making a gas explosion impossible. Any kind of gas except acetylene can be used.

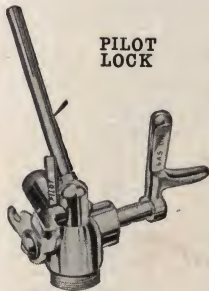
PILOT
LOCK

Plate 1432-H

Number	Diameter Inches	Height Inches	Gas Supply from Meter Inches	Gallons Heated per Min. to 50° Temperature	*Price Nickel Plated Each
2	12	34 $\frac{5}{8}$	$\frac{3}{4}$	2 $\frac{1}{2}$	40.00
**10	12	34 $\frac{5}{8}$	$\frac{3}{4}$	2 $\frac{1}{2}$ to 3	52.00
†6	12	29 $\frac{1}{2}$	$\frac{3}{4}$	3	29.00
†8	10 $\frac{1}{4}$	28 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	23.50

* Prices include safety valves and unions, safety pilot lock, one bent outlet spout, white enameled steel shelf and nickel plated brackets, but no fittings.

** The number 10 differs from the number 2 only in that the water surfaces are closed at the top and it is fitted with shower attachment. This heater will not stand water pressure.

† Nos. 6 and 8 are contact heaters; the heated gases come in contact with the water.

VENTILATING PIPE AND FITTINGS

Price, 3 $\frac{1}{2}$ -inch Copper	Vent Pipe, Nickel Plated	.....per foot	.60
" 3 $\frac{1}{2}$ " "	Extension Thimbles, Nickel Plated	.....each	1.05
" 3 $\frac{1}{2}$ " "	Adjustable Elbows	" " " " " "	.90
" 3 $\frac{1}{2}$ " "	Vent Pipe Collars	" " " " " "	.35
" Galvanized Iron	Vent Hoods	..... " "	1.50

DIAMOND EXPANSION BOLTS

SQUARE HEAD LAG SCREW
MALLEABLE SHIELD

ROUND HEAD WOOD SCREW
COMPOSITION SHIELD



Plate 1433-H



Plate 1434-H

MALLEABLE SHIELDS FOR ALL SIZES. COMPOSITION SHIELDS UP TO 1/2 INCH DIAMETER, WITH SQUARE HEAD LAG SCREWS—PRICE, PER HUNDRED

Diameter...inches		1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/4
Length, Inches	1 1/2	10.13	11.60	.....	.....	.....	.....	.....	.....	.....	.....
	2	10.85	11.65	.....	.....	.....	.....	.....	.....	.....	.....
	2 1/2	11.00	11.85	15.90	20.30	24.15	31.70	48.30	.....	.....	.....
	3	11.25	12.00	16.10	20.50	24.45	32.10	48.85	.....	.....	.....
	4	11.50	12.35	16.40	20.80	25.35	32.90	50.00	.....	.....	.....
	5	11.85	12.65	16.90	21.15	25.90	33.75	51.05	.....	.....	.....
	6	12.20	13.00	17.35	21.50	26.45	34.60	52.20	68.90	79.55	.....
	7	.....	13.30	17.65	21.80	27.00	35.40	53.30	70.00	81.65	.....
	8	.....	.....	18.00	22.15	27.55	36.25	54.45	71.10	83.70	174.45
	9	.....	.....	.....	22.50	28.10	37.10	55.55	72.20	85.75	181.10
	10	.....	.....	.....	.....	.....	37.95	56.65	73.30	87.75	187.75
	11	.....	.....	.....	.....	.....	38.80	57.75	74.40	89.90	194.45
	12	.....	.....	.....	.....	.....	39.60	58.90	75.55	92.00	201.10

Hexagon head screws, 10 per cent extra.

TWO-PART MALLEABLE OR COMPOSITION SHIELDS ONLY

Diam. of Screw....inches	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/4
Price.....per hundred	9.40	10.50	13.35	17.75	22.00	27.80	39.95	53.30	66.60	100.00

ONE-PART EXPANSION COMPOSITION SHIELDS ONLY

Number Inches	Number Screw	Length of Shield Inches	Outside Diameter Inches	Price per Hundred	Number Inches	Number Screw	Length of Shield Inches	Outside Diameter Inches	Price per Hundred
1/8 x 1/2	5-6-7	1/2	1/4	4.40	1/4 x 2	12-13-14	2	3/8	7.80
1/8 x 5/8	5-6-7	5/8	1/4	4.40	1/4 x 2 1/2	12-13-14	2 1/2	3/8	8.95
1/8 x 3/4	5-6-7	3/4	1/4	4.40	5/16 x 3/4	15-16-17-18	3/4	7/16	6.25
3/16 x 1/2	8-9-10-11	1/2	1/4	5.00	5/16 x 1	15-16-17-18	1	7/16	6.25
3/16 x 3/4	8-9-10-11	3/4	5/16	5.00	5/16 x 1 3/8	15-16-17-18	1 3/8	1/2	7.20
3/16 x 1	8-9-10-11	1	5/16	5.00	5/16 x 1 1/2	15-16-17-18	1 1/2	7/16	7.50
3/16 x 1 1/8	8-9-10-11	1 1/8	5/16	5.00	5/16 x 2	15-16-17-18	2	7/16	8.75
3/16 x 1 1/2	8-9-10-11	1 1/2	5/16	6.25	3/8 x 1 1/4	22-23-24	1 1/4	9/16	8.25
1/4 x 1/2	12-13-14	1/2	3/8	5.60	3/8 x 2	22-23-24	2	9/16	9.50
1/4 x 3/4	12-13-14	3/4	3/8	5.60	1/2 x 2	26-28-30	2	3/4	14.50
1/4 x 1	12-13-14	1	3/8	5.60	5/8 x 2	5/8-in. Lag Screw	2	7/8	18.00
1/4 x 1 1/2	12-13-14	1 1/2	3/8	6.75	5/8 x 3 1/2	5/8-in. Lag Screw	3 1/2	7/8	21.00

ONE-PART EXPANSION BOLTS, COMPLETE, WITH FLAT, ROUND OR OVAL HEAD BRIGHT IRON SCREWS—Shields not Longer than 1 Inch

Diameter of Anchor, Inches	Number of Screws	LENGTH OF SCREW, INCHES				
		3/4	1	1 1/2	2	2 1/2
1/8.....	5-6-7	4.60	4.65	4.70	.....	.....
3/16.....	8-9-10-11	5.25	5.30	5.35	5.40	.....
1/4.....	12-13-14	5.90	5.95	6.05	6.10	.....
5/16.....	15-16-17-18	.....	6.85	7.10	7.20	7.30

KEYSTONE MACHINE EXPANSION BOLTS

SQUARE HEAD, SINGLE

SQUARE HEAD, DOUBLE

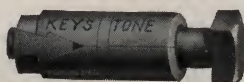


Plate 1435-H

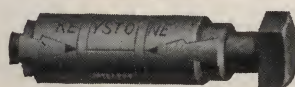


Plate 1436-H

PRICE, PER HUNDRED, SQUARE HEAD BOLTS, SINGLE

Length.....inches	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
1½.....	8.00	9.50	.....	.....	.....	.....	.....	.....
2.....	8.20	9.50	11.80	18.00	24.00	.....	.....	.....
2½.....	8.30	9.55	11.90	18.25	24.50	.....	.....	.....
3.....	8.40	9.60	12.00	18.50	25.00	.....	.....	.....
3½.....	8.50	9.65	12.50	18.75	25.50	34.00	.....	.....
4.....	8.60	9.70	13.00	19.00	26.00	34.50	43.00	54.00
4½.....	8.70	9.75	13.30	19.25	26.25	34.75	43.50	54.50
5.....	8.80	9.80	13.40	19.50	26.50	35.00	44.00	55.00
6.....	.....	9.90	13.60	19.90	27.00	35.50	45.00	56.00
7.....	.....	.....	.....	20.20	27.50	36.00	46.00	57.00
8.....	.....	.....	.....	20.50	28.00	37.00	47.00	58.00
9.....	.....	.....	.....	20.65	28.25	38.00	48.00	59.00
10.....	.....	.....	.....	20.80	28.50	39.00	49.00	60.00
11.....	.....	.....	.....	21.00	29.00	40.00	50.00	61.00
12.....	.....	.....	.....	22.50	29.50	41.00	51.00	62.00
Expansion Shells only.....per 100	7.50	8.50	10.50	16.00	21.00	29.00	36.00	44.00
Length of Expansion.....	1-1¾	1½	1¾	1¾	2	3	3¾	3¾
Size, Hole to Receive Expansion.....	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{1}{16}$	$\frac{7}{8}$	1	1½	1½	1½

In addition to the above we furnish the following sizes to order; 1¼, 1½, 1¾ and 2 inches in diameter, any length. These sizes have parallel expansions on three sides, in place of two, as on bolts up to 1 inch diameter. Thickness of material to be fastened should always be stated when ordering bolts. Order bolts by number.

The size of a bolt is always understood to be the diameter of the iron of which it is made, not of the expansion parts. The double expansion bolt is best, especially for fastening into brick or cement, as it gives a parallel expansion.

PRICE, PER HUNDRED, SQUARE HEAD BOLTS, DOUBLE

Length.....inches	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
1¾.....	8.95	.....	.....	.....	.....	.....	.....	.....	.....
2.....	9.00	10.00	.....	.....	.....	.....	.....	.....	.....
2½.....	9.05	10.05	12.40	.....	.....	.....	.....	.....	.....
3.....	9.10	10.10	12.50	16.60	20.00	.....	.....	.....	.....
3½.....	9.15	10.15	13.00	16.80	20.15	27.25	.....	.....	.....
4.....	9.20	10.20	13.70	17.00	20.30	27.50	40.00	.....	.....
4½.....	9.25	10.25	13.80	17.25	20.45	27.75	40.30	.....	.....
5.....	9.30	10.30	13.90	17.50	20.60	28.00	40.60	52.00	.....
5½.....	9.35	10.35	14.00	17.75	20.75	28.25	40.90	52.43	74.45
6.....	9.40	10.40	14.10	18.00	20.90	28.50	41.20	52.86	75.00
6½.....	.....	.....	14.20	18.10	21.05	28.75	41.50	53.29	75.55
7.....	.....	.....	14.30	18.20	21.20	29.00	41.80	53.72	76.10
7½.....	.....	.....	14.40	18.30	21.35	29.25	42.10	54.15	76.65
8.....	.....	.....	14.50	18.40	21.50	29.50	42.40	54.58	77.20
9.....	.....	.....	.....	.....	21.65	29.75	42.70	55.01	77.75
10.....	.....	.....	.....	.....	21.80	30.00	43.00	55.44	78.30
11.....	.....	.....	.....	.....	22.00	30.50	43.50	56.00	79.00
12.....	.....	.....	.....	.....	23.50	31.00	44.00	57.00	80.00
Expansion Shells only.....per 100	8.00	9.00	11.00	15.00	18.00	24.00	35.00	44.00	63.00
Length of Expansion.....	1½	1¾	2¾	2½	2½	3¼	4	4¾	5
Size, Hole to Receive Expansion.....	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{11}{16}$	$\frac{7}{8}$	$\frac{7}{8}$	1	1¼	1½	1½

BRASS EXPANSION BOLTS

DOUBLE EXPANSION, FLAT HEAD

SINGLE EXPANSION, ROUND HEAD

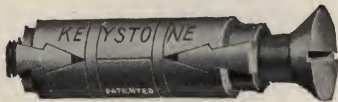


Plate 1437-H



Plate 1438-H

DOUBLE EXPANSION BOLTS—PRICE, PER HUNDRED

Length Inches	No. OF SCREW SIZES			Length Inches	No. OF SCREW SIZES		
	$\frac{1}{4}$ No. 14	$\frac{5}{16}$ No. 18	$\frac{3}{8}$ No. 24		$\frac{1}{4}$ No. 14	$\frac{5}{16}$ No. 18	$\frac{3}{8}$ No. 24
$1\frac{1}{2}$	....	....	....	$2\frac{1}{2}$	15.50	17.50	27.50
$1\frac{3}{4}$	14.00	....	....	$2\frac{3}{4}$	16.00	18.00	28.00
2	14.50	16.50	....	3	17.00	18.50	29.00
$2\frac{1}{4}$	15.00	17.00	....	....	....	....	....
Length of Expansion in.	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{3}{8}$	Length of Expansion in.	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{3}{8}$
Size Hole to Receive Expansion, in.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{16}$	Size Hole to Receive Expansion, in.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{16}$
Expansion Shields only . . per 100	11.50	13.00	20.00	Expansion Shields only . . per 100	11.50	13.00	20.00

$\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ -inch bolts to order. If bolts require brass sleeves they will be extra, according to length; nickel-plated heads extra.

SINGLE EXPANSION BOLTS—PRICE, PER HUNDRED

Length Inches	No. OF SCREW SIZES				Length Inches	No. OF SCREW SIZES			
	$\frac{3}{16}$ -Nos. 9 or 10	$\frac{1}{4}$ -Nos. 12 or 14	$\frac{5}{16}$ No. 18	$\frac{3}{8}$ No. 24		$\frac{3}{16}$ -Nos. 9 or 10	$\frac{1}{4}$ -Nos. 12 or 14	$\frac{5}{16}$ No. 18	$\frac{3}{8}$ No. 24
$\frac{3}{4}$	8.50	....	....	....	2	9.20	13.00	14.50	21.50
1	8.60	11.00	....	....	$2\frac{1}{4}$	9.40	13.50	15.00	22.00
$1\frac{1}{4}$	8.70	11.50	....	....	$2\frac{1}{2}$	....	14.00	15.50	22.50
$1\frac{1}{2}$	8.90	12.00	13.50	20.50	$2\frac{3}{4}$	....	14.50	16.00	23.00
$1\frac{3}{4}$	9.00	12.50	14.00	21.00	3	....	15.00	16.50	24.00
Length of Expansion . . . in.	$\frac{3}{4}$	$1-1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{1}{4}-1\frac{3}{4}$	Length of Expansion . . . in.	$\frac{3}{4}$	$1-1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{1}{4}-1\frac{3}{4}$
Size Hole to Receive Expan., in.	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{11}{16}$	Size Hole to Receive Expan., in.	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{11}{16}$
Expansion Shields only, per 100	8.00	9.50	11.00	15.00	Expansion Shields only, per 100	8.00	9.50	11.00	15.00

$\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ -inch bolts to order.

SPLIT PIPE BRASS EXPANSION BOLTS

STYLE M



Plate 1439-H

STYLE E

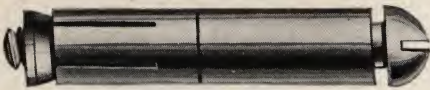


Plate 1440-H

PRICE, PER HUNDRED

Length Inches	No. OF SCREW SIZES		Length Inches	No. OF SCREW SIZES	
	$\frac{3}{16}$ No. 10	$\frac{1}{4}$ No. 14		$\frac{3}{16}$ No. 10	$\frac{1}{4}$ No. 14
$\frac{3}{4}$	8.50	....	2	9.20	13.00
1	8.60	11.00	$2\frac{1}{4}$	9.40	13.50
$1\frac{1}{4}$	8.70	11.50	$2\frac{1}{2}$	....	14.00
$1\frac{1}{2}$	8.90	12.00	$2\frac{3}{4}$	....	14.50
$1\frac{3}{4}$	9.00	12.50	3	....	15.00
Length of Expansion in.	$\frac{3}{4}-1\frac{1}{2}$	$\frac{7}{8}$	Length of Expansion in.	$\frac{3}{4}-1\frac{1}{2}$	$\frac{7}{8}$
Size Hole to Receive Expansion . . in.	$\frac{5}{16}$	$\frac{3}{8}$	Size Hole to Receive Expansion . . in.	$\frac{5}{16}$	$\frac{3}{8}$

Furnished with either round or countersunk heads; $\frac{3}{16}$ and $\frac{1}{4}$ -inch stock sizes, other sizes to order. Style E shows Style M with the addition of pipe sleeves, the space between the head of bolt and pipe sleeves representing the thickness of article to be fastened to wall.

TOGGLE BOLTS AND DRILLS

TOGGLE BOLTS

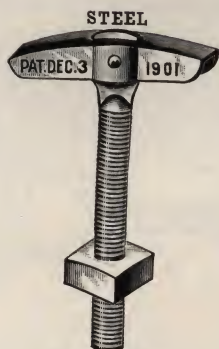


Plate 1441-H



Plate 1442-H

STEEL—PRICE, PER 100

Diam. of Screw, In.	LENGTH OF SCREW, INCHES							
	1½	2	2½	3	3½	4	5	6
3/16	3.65	3.75	3.85	4.00	4.15	4.25	4.40	4.50
1/4	....	....	....	5.25	5.50	5.75	6.00	6.50
5/16	....	....	....	8.00	8.50	9.00	9.50	10.00
3/8	....	....	....	10.00	10.25	10.50	11.50	12.00

DIAMOND, WITH ROUND HEAD BOLT—PRICE, PER 100

Diam. of Screw, In.	LENGTH OF SCREW, INCHES				
	3	3½	4	5	6
$\frac{3}{16}$	4.50	4.70	5.00	5.20	5.70
$\frac{1}{4}$	....	6.50	6.90	7.90	8.50



Plate 1443-H

DIEXCO EXTENSION DRILLS

Diexco Drill Heads are made of tool steel and carefully tempered. Can be made any length by use of pipe cut to length desired. Are tapped standard pipe sizes.

Number	2	3	4	5	5A	6	6A
Size of Pipe Thread.....inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
Will Drill Hole....."	$\frac{9}{16}$	$\frac{11}{16}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$
Price, without Pipe.....each	.25	.25	.25	.25	.30	.35	.65
Number	7	7A	8	9	9A	10	10A
Size of Pipe Thread.....inches	$\frac{3}{4}$	1	1	1	1	1	1
Will Drill Hole....."	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3
Price, without Pipe.....each	.75	.90	1.00	1.50	1.85	2.25	2.60

SOLID STEEL STAR DRILLS

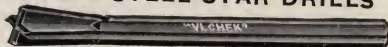


Plate 1444-H

Will Drill Hole.....inches	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
Price, 12-inch Length.....each	.75	.75	.75	.75	.85	1.00	1.20	1.35	1.50	1.70	1.85	2.00
" 18 " " " " " " "	.....	.....	.90	.95	1.05	1.25	1.45	1.70	1.90	2.10	2.30	2.50
" 24 " " " " " " "	.....	.....	.....	1.15	1.25	1.50	1.70	1.90	2.10	2.30	2.50	2.75

DIAMOND "RAPID FIRE" DRILLS
FOR DRILLING HOLES IN CONCRETE, BRICK AND STONE

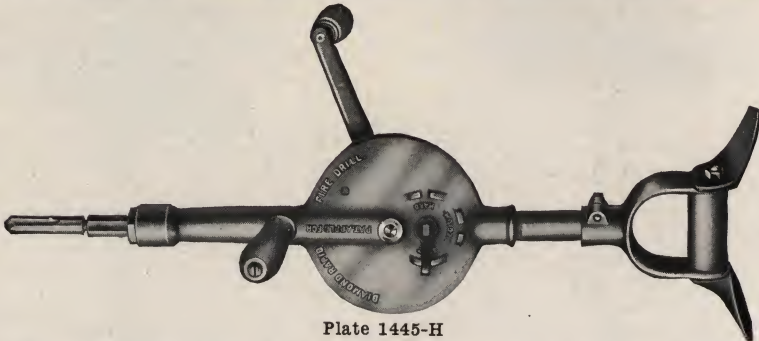


Plate 1445-H

The Diamond "Rapid Fire" Drill is the most economical means of drilling holes for expansion bolts. Its saving in time and labor and its convenience in use will, in a short time, pay for the cost of the tool. One man using the Diamond "Rapid Fire" Drill can, with less effort, deliver more effective blows, with eight to twenty times the speed, than with a hand hammer.

The Diamond "Rapid Fire" Drill reproduces the same action as is produced with the hand hammer and drill, with greatly multiplied speed. The hammer's action upon the drill and the drill's action upon the stone is identical with that produced in the old way with the ordinary hammer and steel drills, with eight times the rapidity; in other words, with every revolution of the crank eight sharp blows are struck.

No vibration. Its action is percussive, and its mechanism is so constructed that practically no vibration or concussion is felt by the operator.

Each drill has three adjustments, hard, medium and soft, controlled by a spring lever at the side of the housing. The springs are easily changed by removing the cover of the housing without disarranging or unfastening any of the parts of the mechanism.

Price, without Drill Points.....each	32.00
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EXTRA DRILL POINTS

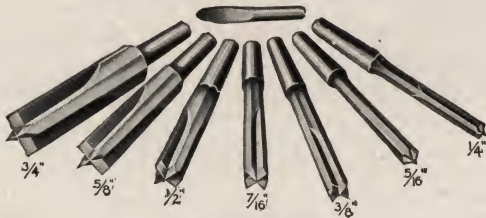


Plate 1446-H

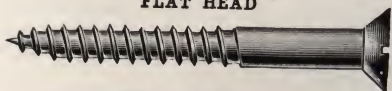
Diameterinches	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Length Over All....inches	4 1/4	4 1/4	4 1/4	4 1/4	6	6	6	6 1/2	6 1/2
Depth of Hole Drilled "	3	3	3	3	4 1/2	4 1/2	4 1/2	5	5
Price.....each	.71	.71	.71	.75	.84	1.00	1.17	1.33	1.50
Price, Complete Set (Eight Sizes) 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 and 1-inch...per set	7.40								

Holes drilled with the Diamond "Rapid Fire" Drills have a smooth bore and a sharp edge and there is no danger of cracking the wall at the surface.

For hard stone, granite and concrete, drill points no larger than 3/4 inch should be used. Larger sizes are good only in brick and soft plaster walls.

IRON AND BRASS WOOD SCREWS

FLAT HEAD



ROUND HEAD

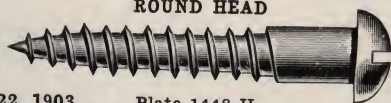


Plate 1447-H

Adopted July 22, 1903

Plate 1448-H

PRICE PER GROSS, IRON

No.	LENGTH OF SCREW, INCHES									
	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$
0	.72	.72	....	....	....	....	....	....	....	....
1	.72	.72	.72	.72	....	....	....	....	....	....
2	.72	.72	.72	.72	.72	.74	....	....	....	....
3	.72	.72	.72	.72	.75	.78	.80	....	....	....
4	.72	.72	.75	.75	.78	.82	.84	.88	....	....
5	....	.75	.78	.78	.82	.85	.87	.98	1.05	....
6	....	.78	.80	.82	.85	.90	.92	1.05	1.10	1.30
7	....	.82	.84	.86	.90	.94	.98	1.10	1.20	1.35
8	....	.88	.90	.92	.95	1.00	1.05	1.15	1.20	1.45
9	....	.94	.96	.98	1.00	1.05	1.10	1.15	1.30	1.50
10	....	....	1.05	1.07	1.10	1.15	1.10	1.20	1.35	1.55
11	....	....	1.10	1.12	1.15	1.25	1.20	1.30	1.40	1.60
12	....	....	1.20	1.20	1.25	1.35	1.40	1.55	1.50	1.70
13	....	....	....	1.25	1.35	1.45	1.60	1.70	1.65	1.80
14	....	....	....	1.30	1.50	1.55	1.70	1.90	1.80	2.00
15	....	....	....	....	1.65	1.75	2.00	2.15	2.00	2.25
16	....	....	....	....	1.80	2.00	2.50	2.50	2.35	2.60
17	....	....	....	....	....	....	2.70	2.50	2.80	2.90
18	....	....	....	....	....	....	2.70	2.75	3.20	3.50
20	....	....	....	....	....	....	2.80	3.30	3.80	4.00
22	....	....	....	....	....	....	3.50	4.00	4.30	4.50
24	....	....	....	....	....	....	....	4.80	5.10	5.20
	....	....	....	....	....	....	....	5.40	5.90	6.00

BRASS

[illegible]

GROUND KEY BIBBS

PLAIN BIBB, FOR LEAD PIPE

PLAIN BIBB, FOR IRON PIPE

HOSE BIBB, FOR IRON PIPE

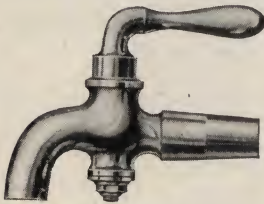


Plate 1480-H

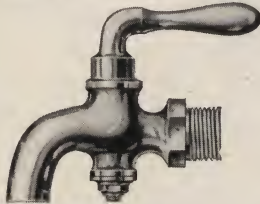


Plate 1481-H

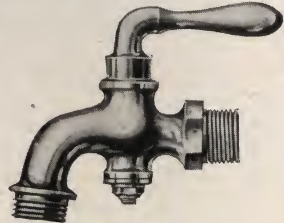


Plate 1482-H

PLAIN BIBBS, FOR LEAD PIPE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough....	per dozen	21.60	22.20	31.20	38.40	56.40	94.80	158.40	273.00
" Finished....	"	26.40	27.00	37.20	47.40	68.40	112.80	188.40	315.00
" Nickel-plated ..	"	31.20	31.80	43.20	56.40	80.40	130.80	218.40	357.00

PLAIN BIBBS, FOR IRON PIPE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough....	per dozen	20.40	21.00	29.40	36.00	52.80	89.40	149.40	258.00
" Finished....	"	25.20	25.80	35.40	45.00	64.80	107.40	179.40	300.00
" Nickel-plated ..	"	30.00	30.60	41.40	54.00	76.80	125.40	209.40	342.00

HOSE BIBBS, FOR LEAD PIPE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough....	per dozen	24.60	25.20	34.20	41.40	63.60	105.60	173.40	295.20
" Finished....	"	29.40	30.00	40.20	50.40	75.60	123.60	203.40	337.20
" Nickel-plated ..	"	34.20	34.80	46.20	59.40	87.60	141.60	233.40	379.20

HOSE BIBBS, FOR IRON PIPE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough....	per dozen	23.40	24.00	32.40	39.00	60.00	100.20	164.40	280.20
" Finished....	"	28.20	28.80	38.40	48.00	72.00	118.20	194.40	322.20
" Nickel-plated ..	"	33.00	33.60	44.40	57.00	84.00	136.20	224.40	364.20

FOR IRON PIPE, S. O. T.

PLAIN BIBB

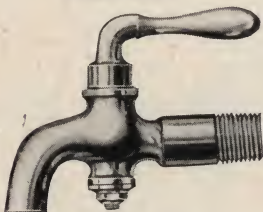


Plate 1483-H

HOSE BIBB

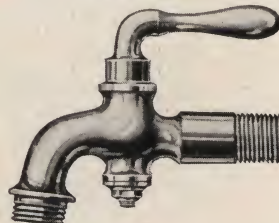


Plate 1484-H

PLAIN BIBBS

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough....	per dozen	22.80	23.40	32.40	40.20	60.00	100.20	164.40	288.00
" Finished....	"	27.60	28.20	38.40	49.20	72.00	118.20	194.40	330.00
" Nickel-plated ..	"	32.40	33.00	44.40	58.20	84.00	136.20	224.40	372.00

HOSE BIBBS

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough....	per dozen	25.80	26.40	35.40	43.20	67.20	111.00	179.40	310.20
" Finished....	"	30.60	31.20	41.40	52.20	79.20	129.00	209.40	352.20
" Nickel-plated ..	"	35.40	36.00	47.40	61.20	91.20	147.00	239.40	394.20
Add for Hexagon ..	"	1.80	1.80	1.80	1.80	3.00	4.20	6.00	7.80

STOP AND STOP AND WASTE COCKS

"T" HANDLE STOPS, FLAT WAY

FOR IRON PIPE

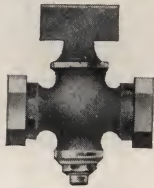


Plate 1485-H

FOR LEAD PIPE

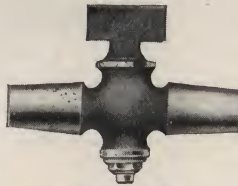


Plate 1486-H

FOR LEAD AND IRON PIPE

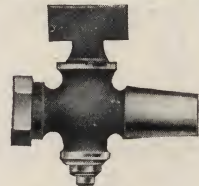


Plate 1487-H

FOR IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	19.80	20.40	21.00	29.40	36.00
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....per dozen	52.80	89.40	149.40	258.00	....

FOR LEAD OR LEAD AND IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	22.20	22.80	23.40	33.00	40.80
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....per dozen	60.00	100.20	167.40	288.00	....

"T" HANDLE STOP AND WASTES, FLAT WAY

FOR IRON PIPE

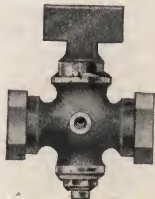


Plate 1488-H

FOR LEAD PIPE

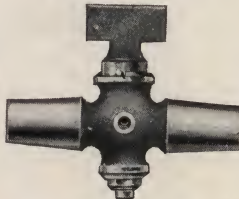


Plate 1489-H

FOR LEAD AND IRON PIPE

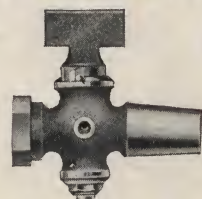


Plate 1490-H

FOR IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	20.40	21.00	21.60	30.00	36.60
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....per dozen	54.00	91.20	152.40	264.00	....

FOR LEAD OR LEAD AND IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	22.80	23.40	24.00	33.60	41.40
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....per dozen	61.20	102.00	170.40	294.00	....

STOP AND STOP AND WASTE COCKS

LEVER HANDLE STOPS, FLAT WAY

FOR IRON PIPE

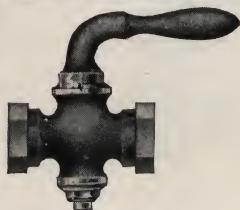


Plate 1491-H

FOR LEAD PIPE

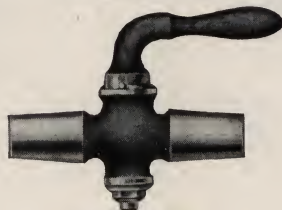


Plate 1492-H

FOR LEAD AND IRON PIPE

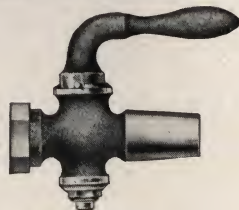


Plate 1493-H

FOR IRON PIPE

Size.....inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Rough...per doz.	19.80	20.40	21.00	29.40	36.00	52.80	89.40	149.40	258.00
" Finished. "	24.60	25.20	25.80	35.40	45.00	64.80	107.40	179.40	300.00
" Nickel-plated. "	29.40	30.00	30.60	41.40	54.00	76.80	125.40	209.40	342.00

FOR LEAD PIPE

Size.....inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Rough...per doz.	22.20	22.80	23.40	33.00	40.80	60.00	100.20	167.40	288.00
" Finished. "	27.00	27.60	28.20	39.00	49.80	72.00	118.20	197.40	330.00
" Nickel-plated. "	31.80	32.40	33.00	45.00	58.80	84.00	136.20	227.40	372.00

FOR LEAD AND IRON PIPE

Size.....inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Rough...per doz.	22.20	22.80	23.40	33.00	40.80	60.00	100.20	167.40	288.00

LEVER HANDLE STOP AND WASTES, FLAT WAY

FOR IRON PIPE

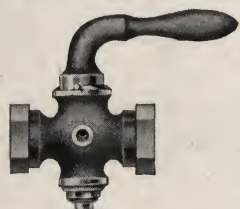


Plate 1494-H

FOR LEAD PIPE

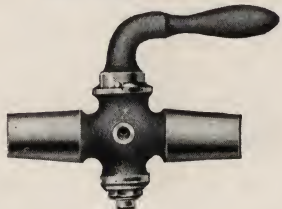


Plate 1495-H

FOR LEAD AND IRON PIPE

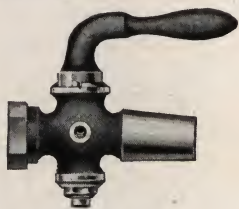


Plate 1496-H

FOR IRON PIPE

Size.....inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Rough...per doz.	20.40	21.00	21.60	30.00	36.60	54.00	91.20	152.40	264.00
" Finished. "	25.20	25.80	26.40	36.00	45.60	66.00	109.20	182.40	306.00
" Nickel-plated. "	30.00	30.60	31.20	42.00	54.60	78.00	127.20	212.40	348.00

FOR LEAD PIPE

Size.....inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Rough...per doz.	22.80	23.40	24.00	33.60	41.40	61.20	102.00	170.40	294.00
" Finished. "	27.60	28.20	28.80	39.60	50.40	73.20	120.00	200.40	336.00
" Nickel-plated. "	32.40	33.00	33.60	45.60	59.40	85.20	138.00	230.40	378.00

FOR LEAD AND IRON PIPE

Size.....inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Rough...per doz.	22.80	23.40	24.00	33.60	41.40	61.20	102.00	170.40	294.00

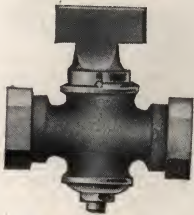
STOP AND STOP AND WASTE COCKS**"T" HANDLE STOPS, ROUND WAY****FOR IRON PIPE**

Plate 1497-H

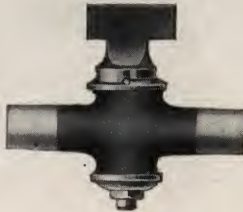
FOR LEAD PIPE

Plate 1498-H

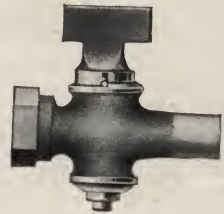
FOR LEAD AND IRON PIPE

Plate 1499-H

FOR IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	24.00	25.20	26.40	36.00	46.20
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	.....
Price, Rough.....per dozen	73.80	120.60	197.40	342.00	.....

FOR LEAD OR LEAD AND IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	26.40	27.60	28.80	39.60	51.00
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	.....
Price, Rough.....per dozen	81.00	131.40	215.40	372.00	.....

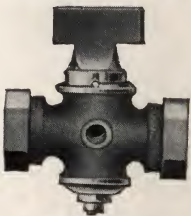
"T" HANDLE STOP AND WASTES, ROUND WAY**FOR IRON PIPE**

Plate 1500-H

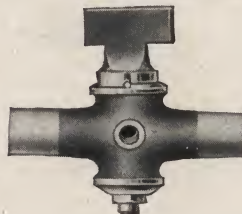
FOR LEAD PIPE

Plate 1501-H

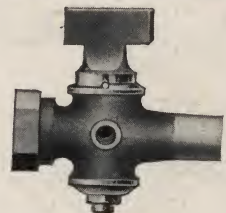
FOR LEAD AND IRON PIPE

Plate 1502-H

FOR IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	24.60	25.80	27.00	36.60	46.80
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	.....
Price, Rough.....per dozen	75.00	122.40	200.40	348.00	.....

FOR LEAD OR LEAD AND IRON PIPE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....per dozen	27.00	28.20	29.40	40.20	51.60
Size.....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	.....
Price, Rough.....per dozen	82.20	133.20	218.40	378.00	.....

STOP AND STOP AND WASTE COCKS

LEVER HANDLE STOPS, ROUND WAY

FOR IRON PIPE

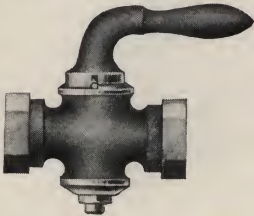


Plate 1503-H

FOR LEAD PIPE

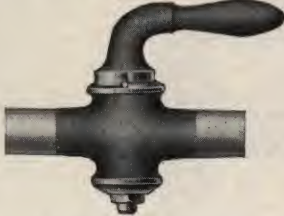


Plate 1504-H

FOR LEAD AND IRON PIPE

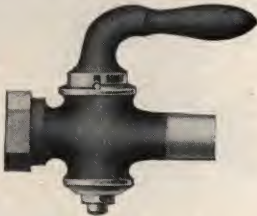


Plate 1505-H

FOR IRON PIPE

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....	per dozen	24.00	25.20	26.40	36.00	46.20
Size.....	inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....	per dozen	73.80	120.60	197.40	342.00	....

FOR LEAD OR LEAD AND IRON PIPE

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....	per dozen	26.40	27.60	28.80	39.60	51.00
Size.....	inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....	per dozen	81.00	131.40	215.40	372.00	....

LEVER HANDLE STOP AND WASTES, ROUND WAY

FOR IRON PIPE

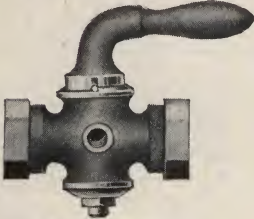


Plate 1506-H

FOR LEAD PIPE

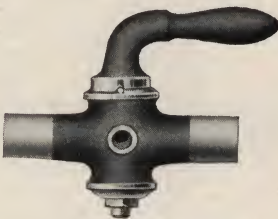


Plate 1507-H

FOR LEAD AND IRON PIPE

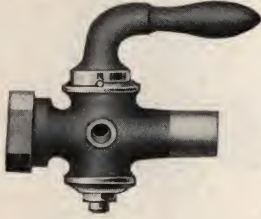


Plate 1508-H

FOR IRON PIPE

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....	per dozen	24.60	25.80	27.00	36.60	46.80
Size.....	inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....	per dozen	75.00	122.40	200.40	348.00	....

FOR LEAD OR LEAD AND IRON PIPE

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Rough.....	per dozen	27.00	28.20	29.40	40.20	51.60
Size.....	inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	....
Price, Rough.....	per dozen	82.20	133.20	218.40	378.00	....

RUMSEY STOP AND STOP AND WASTE COCKS

FOR IRON PIPE

RED METAL, RUMSEY GRADE, PATENT CAP

LOOSE LEVER HANDLE, FLAT WAY

R-I STOP

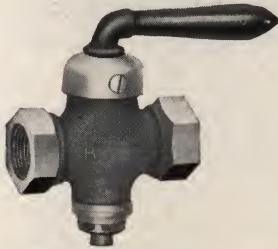


Plate 1509-H

R-I STOP AND WASTE

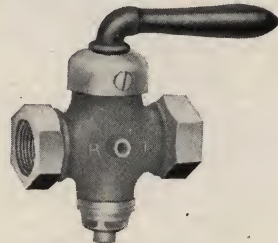


Plate 1510-H

These R-I Cocks are of red metal and of the highest grade. We can also furnish these cocks in R-2 grade, made of the same high grade metal but of lighter pattern and with hexagon not finished.

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Stop, Rough.....	per dozen	21.00	29.40	36.00	52.80
" " and Waste, Rough.....	"	21.60	30.00	36.60	54.00

Furnished with either right or left-hand loose lever or tee handle.

SOCKET HEAD, FLAT WAY

LOOSE LEVER OR TEE HANDLE

STOP



Plate 1511-H

STOP AND WASTE

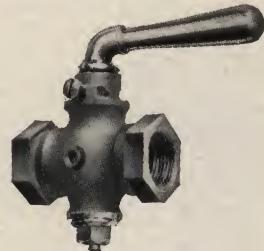


Plate 1512-H

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Stop, Rough.....	per dozen	21.00	29.40	36.00	52.80	89.40	149.40	258.00
" " and Waste, Rough.....	"	21.60	30.00	36.60	54.00	91.20	152.40	264.00

MUELLER SPECIAL STOP COCKS, ETC.

STOP COCKS—FLAT WAY, LEVER HANDLE, PATENT CAP
FOR LEAD PIPE

STOP

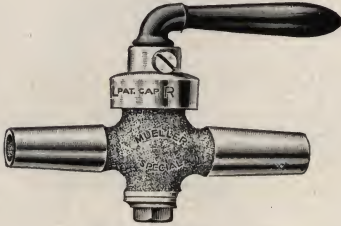


Plate 1513-H

STOP AND WASTE

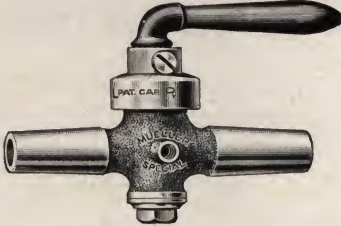


Plate 1514-H

Size..... inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Stop, Rough.. each	1.85	1.90	1.95	2.75	3.40	5.00	8.35	13.95	24.00
" " and Waste, Rough "	1.90	1.95	2.00	2.80	3.45	5.10	8.50	14.20	24.50

FOR IRON PIPE

STOP

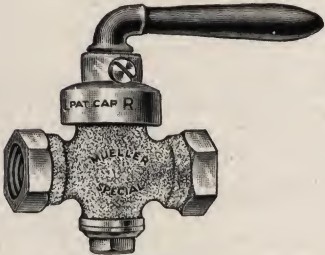


Plate 1515-H

STOP AND WASTE

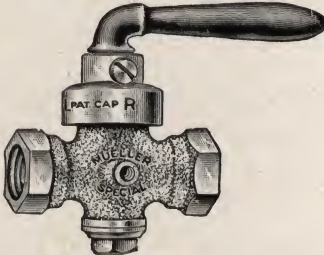


Plate 1516-H

Size..... inches	1/4	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Stop, Rough.. each	1.65	1.70	1.75	2.45	3.00	4.40	7.45	12.45	21.50
" " and Waste, Rough "	1.70	1.75	1.80	2.50	3.05	4.50	7.60	12.70	22.00

The above stop cocks also furnished with malleable iron tee handles, if desired, at same price.

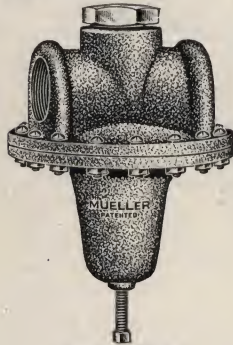


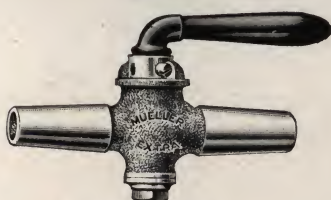
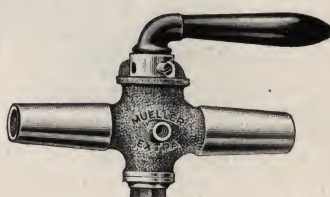
Plate 1517-H

MUELLER REDUCING VALVES, 13160 TYPE

Designed for service on water, steam, air, gas, oil, etc. Especially adapted for service on water where considerable reduction and close regulation are required, and for steam heating systems for any pressure down to as low as 5 pounds vacuum. It is advisable to use a strainer with the regulator to protect the seat from grit and other foreign matter.

Size..... inches	1/4	3/8	1/2	3/4	1	1 1/4
Price..... each	6.50	7.00	7.50	8.50	11.00	13.00
Size..... inches	1 1/2	2	2 1/2	3	4	....
Price..... each	17.00	22.00	30.00	42.00	60.00	....

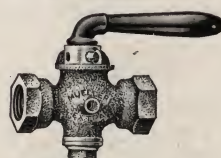
In ordering, state kind of service, initial and delivery pressures.

MUELLER'S EXTRA STOP COCKS**FLAT WAY, LEVER HANDLE, SOCKET HEAD****FOR LEAD PIPE****STOP****Plate 1518-H****STOP AND WASTE****Plate 1519-H****STOP**

Size	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	each	1.85	1.90	1.95	2.75	3.40	5.00	8.35	13.95	24.00

STOP AND WASTE

Size	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	each	1.90	1.95	2.00	2.80	3.45	5.10	8.50	14.20	24.50

FOR IRON PIPE**STOP****Plate 1520-H****STOP AND WASTE****Plate 1521-H****STOP**

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	each	1.65	1.70	1.75	2.45	3.00	4.40	7.45	12.45	21.50

STOP AND WASTE

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	each	1.70	1.75	1.80	2.50	3.05	4.50	7.60	12.70	22.00

Above stop cocks also furnished with malleable iron tee handles, if desired, at same price.

We will furnish cocks with solid lever handles cast with key, instead of those illustrated above, at same price.

MUELLER EXTRA STOP COCKS

FLAT WAY, SOLID TEE HANDLE

FOR LEAD PIPE

STOP

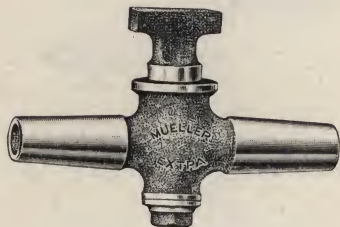


Plate 1522-H

STOP AND WASTE

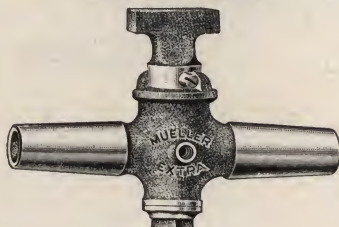


Plate 1523-H

STOP

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....each	1.85	1.90	1.95	2.75	3.40	5.00	8.35	13.95	24.00

STOP AND WASTE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....each	1.90	1.95	2.00	2.80	3.45	5.10	8.50	14.20	24.00

FOR IRON PIPE

STOP

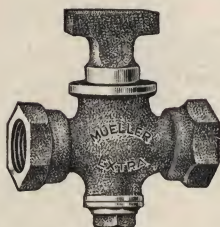


Plate 1524-H

STOP AND WASTE

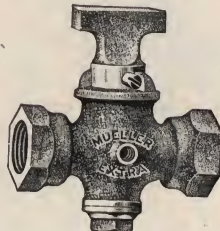


Plate 1525-H

STOP

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....each	1.65	1.70	1.75	2.45	3.00	4.40	7.45	12.45	21.50

STOP AND WASTE

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....each	1.70	1.75	1.80	2.50	3.05	4.50	7.60	12.70	22.00

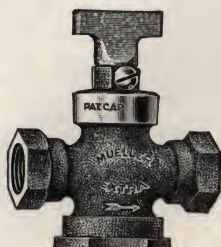
CURB COCKS, ETC.**MUELLER INVERTED KEY CURB COCKS—ROUND WAY
STOP
STOP AND WASTE**

Plate 1526-H

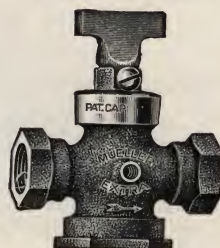


Plate 1527-H

		STOP							
Size	inches	1/2	5/8	3/4	1	1 1/4	1 1/2	2	
Price, Rough	each	2.95	3.80	4.90	7.40	12.05	19.45	33.00	

STOP AND WASTE

Size	inches	1/2	5/8	3/4	1	1 1/4	1 1/2	2	
Price, Rough	each	3.00	3.85	4.95	7.50	12.20	19.70	33.50	

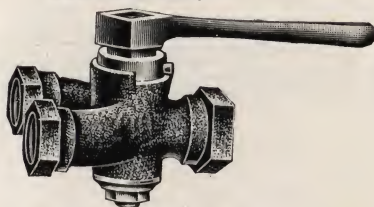
**RAIN AND WELL WATER COCK
FOR IRON PIPE**

Plate 1528-H

**IMPROVED BALL COCK
FOR IRON PIPE**

Plate 1529-H

RAIN AND WELL WATER COCKS, FOR IRON PIPE

Size	inches	3/4	1	1 1/4	1 1/2	2	
Price, Rough	per dozen	72.00	108.00	180.00	300.00	516.00	

IMPROVED BALL COCKS, FOR IRON PIPE

Size	inches	3/8	1/2	5/8	3/4	1	1 1/4
Price, Rough	per dozen	16.80	18.00	21.00	27.00	45.00	72.00
Size	inches	1 1/2	2	2 1/2	3	3 1/2	4
Price, Rough	per dozen	96.00	168.00	312.00	384.00	720.00	900.00

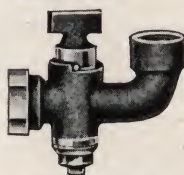
HYDRANT COCKS, FOR IRON PIPE**FLAT WAY**

Plate 1529 1/2-H

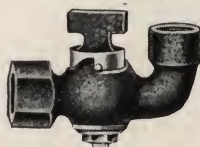
ROUND WAY

Plate 1529 3/4-H

Size	inches	1/2	5/8	3/4	1	1 1/4	1 1/2	2
Price, Flat Way, Rough...	per dozen	25.80	36.60	45.00	64.80	103.80	170.40	288.00
" Round Way, " ...	"	31.20	43.20	55.20	85.80	135.00	218.40	372.00

MUELLER CORPORATION COCKS

FOR MUELLER MACHINES

HEXAGON PLUG

Threads: Both Ends Mueller, Same Size as Body

No. 1, WITH EIGHTH BEND COUPLING

No. 2, WITH STRAIGHT COUPLING

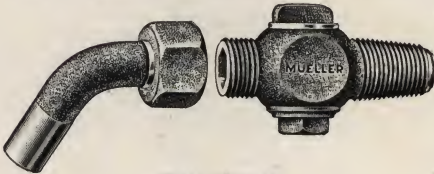


Plate 1530-H



Plate 1531-H

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, No. 1 or No. 2, Rough.....each	1.50	1.60	2.25	2.85	4.50

SCREW PLUG

Threads: Inlet End, All Sizes; Mueller Outlet End, $\frac{1}{4}$ to 1-inch Mueller; Outlet End, $1\frac{1}{2}$ to 2-inch, Increasing I. P. Next Size Larger than Body

No. 4, WITH EIGHTH BEND COUPLING

No. 5, WITH STRAIGHT COUPLING

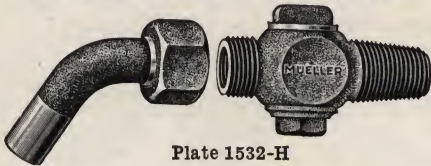


Plate 1532-H



Plate 1533-H

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, No. 4 or No. 5, Rough..each	1.50	1.60	2.25	2.85	4.50	10.00	16.00	26.50

WITHOUT COUPLING

Threads: Inlet End, Mueller; Outlet End, Increasing I. P. Next Size Larger than Body

No. 3
HEXAGON PLUG



Plate 1534-H

No. 6
SCREW PLUG



Plate 1535-H

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Rough.....each	1.35	1.45	1.95	2.50	4.00

No. 6

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....each	1.35	1.45	1.95	2.50	4.00	9.25	15.00	25.00

No. 9—I. P. THREAD BOTH ENDS, WITHOUT SCREW PLUG

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....each	1.35	1.45	1.95	2.50	4.00	9.25	15.00	25.00

WIPED JOINT GOOSENECKS AND BRASS WATER CONNECTIONS

WIPED JOINT GOOSENECKS

WITH CORPORATION COCK



Plate 1536-H

SINGLE

Plate 1537-H

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Length of Lead Pipe.....inches	18	18	18	18	18	24	30	36
Price.....each	4.50	5.25	6.25	7.25	10.75	19.50	31.00	48.50

Male solder nipple furnished unless female specified.

MULTIPLE BRANCHES

Number of Branches	2	3	4	6	8
Size of Outlet (Iron Pipe).....inches	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, $\frac{3}{4}$ -inch, with Plain Connections. each	14.90	23.35	32.70	53.35	78.50
“ 1 “ “ “ “ “ “ “	20.10	31.40	43.70	70.80	103.20
“ $\frac{3}{4}$ “ “ “ “ “ “ “	16.95	26.05	35.90	62.00	88.30
“ 1 “ “ “ “ “ “ “	22.15	34.10	46.90	79.45	113.00

Extra strong lead pipe and corporation cocks with screw plug and eighth bend tail pieces furnished unless otherwise specified.

BRASS WATER CONNECTIONS

FOUR-BRANCH WITH UNION COUPLING INLETS

TWO-BRANCH
LEAD PIPE INLETS

Plate 1538-H

THREE-BRANCH
LEAD PIPE INLETS

Plate 1539-H

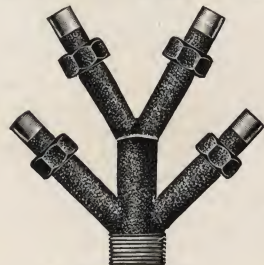


Plate 1540-H

Number of Branches	2	3	4	6	8
Size of Outlet (Iron Pipe).....inches	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, with Inlets for 1-inch Lead Pipe.....each	2.05	3.25	5.40	9.70	16.25
“ “ “ “ 1 “ Iron “ (Male Thd.) “	2.30	3.65	5.90	10.45	17.25
“ “ “ “ with 1 “ Lead Union Coupling “	4.10	6.00	8.60	18.35	26.05
“ “ “ “ 1 “ I.P Thd. “ “	4.25	6.20	8.90	18.75	26.60

Outlet end for lead pipe furnished at same price.

COMPRESSION BIBBS

FOR IRON PIPE

PLAIN BIBB

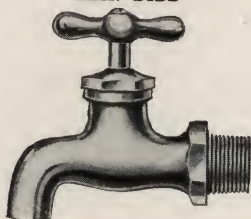


Plate 1541-H

HOSE BIBB

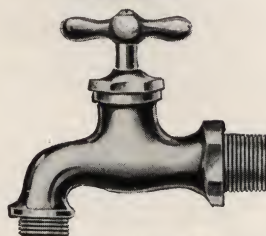


Plate 1542-H

PLAIN BIBBS

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	per dozen	16.80	17.40	22.80	30.60	54.00	106.80	139.20	282.00
" Finished.....	"	18.60	19.80	25.20	33.00	60.00	114.00	150.00	300.00
" Nickel-plated	"	22.20	23.40	28.80	37.20	66.00	124.80	165.00	330.00

HOSE BIBBS

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	per dozen	19.80	20.40	25.80	33.60	61.20	117.60	154.20	304.20
" Finished.....	"	21.60	22.80	28.20	36.00	67.20	124.80	165.00	322.20
" Nickel-plated	"	25.20	26.40	31.80	40.20	73.20	135.60	180.00	352.20

S. O. T.

PLAIN BIBB

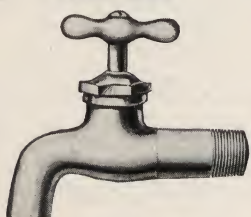


Plate 1543-H

HOSE BIBB

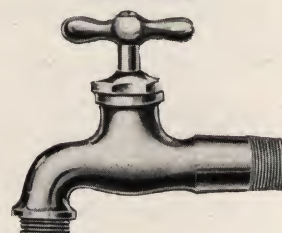


Plate 1544-H

PLAIN BIBBS

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	per dozen	19.20	19.80	25.80	34.80	61.20	117.60	154.20	312.00
" Finished.....	"	21.00	22.20	28.20	37.20	67.20	124.80	165.00	330.00
" Nickel-plated	"	24.60	25.80	31.80	41.40	73.20	135.60	180.00	360.00

HOSE BIBBS

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough.....	per dozen	22.20	22.80	28.80	37.80	68.40	128.40	169.20	334.20
" Finished.....	"	24.00	25.20	31.20	40.20	74.40	135.60	180.00	352.20
" Nickel-plated	"	27.60	28.80	34.80	44.40	80.40	146.40	195.00	382.20
Extra for Hexagon on Shank	"	1.80	1.80	1.80	1.80	3.00	4.20	6.00	7.80

EXTRA FOR STUFFING BOX OR CHINA INDEX HANDLE

Size of Bibb.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Add for Stuffing Box.....	per dozen	4.20	4.80	5.40	6.00	10.80	18.60	22.20	33.60
" " China Button Four Arm Handle	"	....	9.00	8.40	8.40	.....	.....	.....	.....

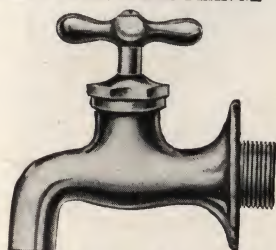
COMPRESSION BIBBS**FOR IRON PIPE****SOLID FLANGE****PLAIN BIBB, MALE FLANGE**

Plate 1545-H

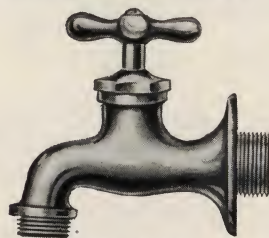
HOSE BIBB, MALE FLANGE

Plate 1546-H

PLAIN BIBBS, MALE FLANGE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	24.60	25.80	32.40	42.00	73.20
" Nickel-plated	"	28.20	29.40	36.00	46.20	79.20

HOSE BIBBS, MALE FLANGE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	27.60	28.80	35.40	45.00	80.40
" Nickel-plated	"	31.20	32.40	39.00	49.20	86.40

PLAIN BIBB, FEMALE FLANGE

Plate 1547-H

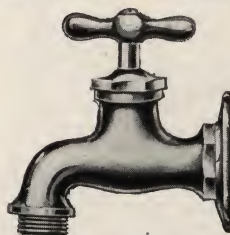
HOSE BIBB, FEMALE FLANGE

Plate 1548-H

PLAIN BIBBS, FEMALE FLANGE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	24.60	25.80	32.40	42.00	73.20
" Nickel-plated	"	28.20	29.40	36.00	46.20	79.20
Deduct for Hexagon on Flange.	"	1.80	1.80	1.80	1.80	3.00

HOSE BIBBS, FEMALE FLANGE

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	27.60	28.80	35.40	45.00	80.40
" Nickel-plated	"	31.20	32.40	39.00	49.20	86.40
Deduct for Hexagon on Flange.	"	1.80	1.80	1.80	1.80	3.00

EXTRA FOR STUFFING BOX

Size of Bibb.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Add.....	per dozen	4.20	4.80	5.40	6.00	10.80

COMPRESSION BIBBS

FOR IRON PIPE

DETACHABLE SHANK
WITH SHOULDER

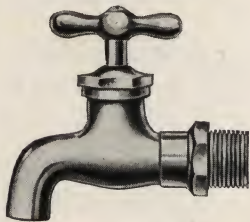


Plate 1549-H

ADJUSTABLE FLANGE
SOLID SHANK, S. O. T.

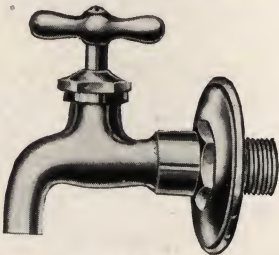


Plate 1550-H

DETACHABLE SHANK WITH SHOULDER

Size	inches	1/2	5/8	3/4	1
Price, Finished	per dozen	25.80	32.40	42.00	71.40
" Nickel-plated	"	29.40	36.00	46.20	77.40

ADJUSTABLE FLANGE, SOLID SHANK, S. O. T.

Size	inches	1/2	5/8	3/4	1
Price, Finished	per dozen	29.40	37.20	46.80	82.20
" Nickel-plated	"	33.00	40.80	51.00	88.20

EXTRA FOR HOSE END

Size	inches	1/2	5/8	3/4	1
Price, Extra	per dozen	3.00	3.00	3.00	7.20

S. O. T., WITH HEXAGON AND SET-SCREW FLANGE

CHINA INDEXED HANDLE

TEE HANDLE

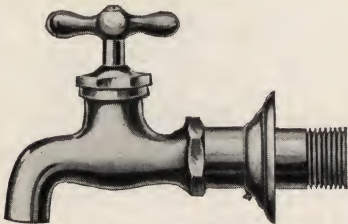


Plate 1551-H

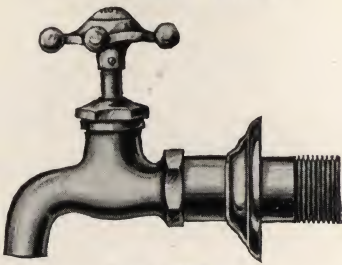


Plate 1552-H

TEE HANDLE

Size	inches	1/2	5/8	3/4	1
Price, Finished	per dozen	29.40	36.00	45.60	81.60
" Nickel-plated	"	33.00	39.60	49.80	87.60

CHINA INDEXED HANDLE

Size	inches	1/2	5/8	3/4	1
Price, Finished	per dozen	38.40	44.40	54.00	
" Nickel-plated	"	42.00	48.00	58.20	

EXTRA FOR STUFFING BOX AND HOSE END

Size of Bibb	inches	1/2	5/8	3/4	1
Add for Stuffing Box	per dozen	4.80	5.40	6.00	10.80
" " Hose End	"	3.00	3.00	3.00	7.20

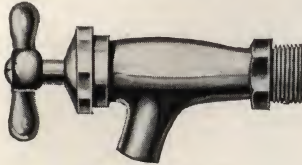
COMPRESSION WASH TRAY BIBBS**FOR IRON PIPE****WITH SHOULDER**

Plate 1553-H

S. O. T.

Plate 1554-H

WITH SHOULDER

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Finished	per dozen	19.80	25.20	33.00
" Nickel-plated	"	23.40	28.80	37.20

S. O. T.

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Finished	per dozen	22.20	28.20	37.20
" Nickel-plated	"	25.80	31.80	41.40
Add for Hexagon on Shank.....	"	1.80	1.80	1.80

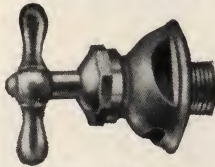
**STUB PATTERN
FLANGED, MALE**

Plate 1555-H

**SHORT PATTERN
FLANGED, MALE**

Plate 1556-H

STUB PATTERN

Size.....	inches	$\frac{1}{2}$
Price, Male, Finished	per dozen	16.40
" " Nickel-plated	"	19.40
" Female, Finished.....	"	16.40
" " Nickel-plated.....	"	19.40
Made only in $\frac{1}{2}$ -inch size.		

SHORT PATTERN

Size	inches	$\frac{1}{2}$	$\frac{5}{8}$
Price, Male, Finished.....	per dozen	18.40	25.60
" " Nickel-plated	"	21.40	28.60
" Female, Finished	"	18.40	25.60
" " Nickel-plated	"	21.40	28.60
Made only in $\frac{1}{2}$ and $\frac{5}{8}$ -inch sizes.			

COMPRESSION LAVATORY STOPS

WHEEL HANDLE

IRON PIPE THREAD BOTH ENDS
ANGLE

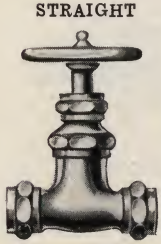


Plate 1557-H



Plate 1558-H

SLIP JOINT ONE END

STRAIGHT

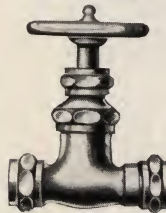


Plate 1559-H

ANGLE



Plate 1560-H

IRON PIPE THREAD BOTH ENDS, STRAIGHT OR ANGLE

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Finished.....	per dozen	25.20	30.00	36.60	46.20
" Nickel-plated	"	28.80	33.60	40.20	50.40

SLIP JOINT ONE END, STRAIGHT OR ANGLE

Size.....	inches	$\frac{3}{8}$ -in. Body $\frac{3}{8}$ -in. I. P.	$\frac{1}{2}$ -in. Body $\frac{1}{2}$ -in. I. P.	$\frac{5}{8}$	$\frac{3}{4}$
Price, Finished.....	per dozen	28.20	28.20	34.80	45.60
" Nickel-plated	"	31.80	31.80	38.40	49.20

LOOSE KEY

IRON PIPE THREAD BOTH ENDS

ANGLE

STRAIGHT

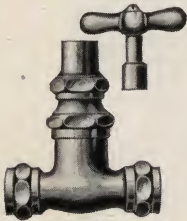


Plate 1561-H



Plate 1562-H

SLIP JOINT ONE END

STRAIGHT

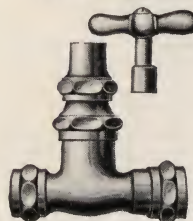


Plate 1563-H

ANGLE



Plate 1564-H

IRON PIPE THREAD BOTH ENDS, STRAIGHT OR ANGLE

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Finished.....	per dozen	25.20	30.00	36.60	46.20
" Nickel-plated	"	28.80	33.60	40.20	50.40

SLIP JOINT ONE END, STRAIGHT OR ANGLE

Size.....	inches	$\frac{3}{8}$ -in. Body $\frac{3}{8}$ -in. I. P.	$\frac{1}{2}$ -in. Body $\frac{1}{2}$ -in. I. P.	$\frac{5}{8}$	$\frac{3}{4}$
Price, Finished.....	per dozen	28.20	28.20	34.80	45.60
" Nickel-plated	"	31.80	31.80	38.40	49.20
Add for Slip Joint Both Ends..	"	3.00	3.00	4.80	9.00
					10.80

One key furnished with each loose key stop.

When ordering slip joint stops, specify outside diameter of tubing.

COMPRESSION STOP COCKS, ETC.

REVERSIBLE STOP AND WASTE



Plate 1565-H

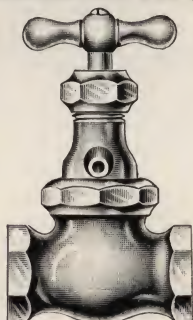


Plate 1566-H

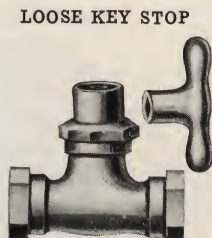


Plate 1567-H

STOPS AND STOP AND WASTE COCKS

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Stops, Rough.....	per dozen	14.40	17.40	22.80	30.60	54.00	106.80	139.20	282.00
" " Finished	"	16.20	19.80	25.20	33.00	60.00	114.00	150.00	300.00
" " Nickel-plated ...	"	19.80	23.40	28.80	37.20	66.00	124.80	165.00	330.00
Add for Loose Key.....	"	4.80	5.40	6.00	7.20	24.00	.....	.....	.....
Price, Extra for Stuffing Box.	"	4.20	4.80	5.40	6.00	10.80	18.60	22.20	33.60
" Rev. Stop and Wastes, Rough...	"	28.80	32.40	38.40	46.80	84.00	156.00	208.20	381.00
" " " " Finished	"	30.60	34.80	40.80	49.20	90.00	163.20	219.00	399.00
" " " " " N. P. ...	"	34.20	38.40	44.40	53.40	96.00	174.00	234.00	429.00

NOTE.—We furnish with each dozen stop and waste cocks four plugs. These plugs are to be used in place of the waste tubes when stop only is required.

COMPRESSION URINAL COCKS FOR LEAD PIPE

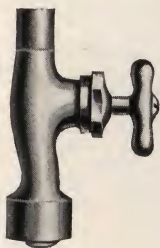


Plate 1568-H

COMPRESSION URINAL COCK FOR IRON PIPE



Plate 1569-H

COMPRESSION HYDRANT COCK FOR IRON PIPE



Plate 1570-H

COMPRESSION URINAL COCKS

Size	inches	$\frac{1}{2}$
Price, for Lead Pipe, Finished.....	per dozen	28.20
" " " " Nickel-plated	"	31.80
" " " " Finished	"	27.00
" " " " Nickel-plated.....	"	30.60

COMPRESSION HYDRANT COCKS

Size	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Rough.....	per dozen	40.20	53.40	65.40	105.60

COMPRESSION SILL COCKS

SIZES 1/2 AND 3/4-INCH

3/4-INCH HOSE THREAD ON NOZZLE

STRAIGHT PATTERN

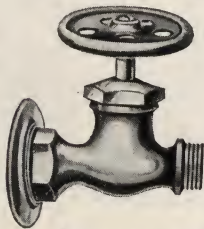


Plate 1571-H

Style.....				
Price, Straight Pattern, Rough N. P.	per dozen			
" " " Finished.....	"			
" " " Nickel-plated ..	"			
" Angle " Rough N. P.	"			
" " " Finished.....	"			
" " " Nickel-plated ..	"			

ANGLE PATTERN



Plate 1572-H

"T" Handle	Iron Wheel	Brass Wheel	Loose Key
32.40	32.40	37.20	37.20
32.40	32.40	37.20	37.20
36.60	36.60	41.40	41.40
36.00	36.00	40.80	40.80
36.00	36.00	40.80	40.80
40.20	40.20	45.00	45.00

BOSTON PATTERN

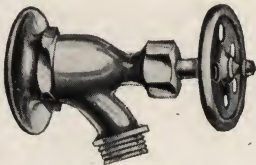


Plate 1573-H

Style.....				
Price, Boston Pattern, Rough N. P.	per dozen			
" " " Finished.....	"			
" " " Nickel-plated ..	"			
" Globe " Rough N. P.	"			
" " " Finished	"			
" " " Nickel-plated ..	"			

GLOBE PATTERN



Plate 1574-H

"T" Handle	Iron Wheel	Brass Wheel	Loose Key
28.80	28.80	33.60	33.60
28.80	28.80	33.60	33.60
33.00	33.00	37.80	37.80
37.80	37.80	42.60	42.60
37.80	37.80	42.60	42.60
42.00	42.00	46.80	46.80

ANGLE WITH LOOSE KEY

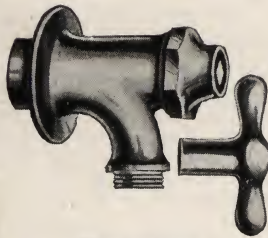


Plate 1575-H

Style.....			
Price, Rough N. P.	per dozen		
" Finished.....	"		
" Nickel-plated	"		
Style.....			
Price, Rough N. P.	per dozen		
" Finished.....	"		
" Nickel-plated	"		

"T" Handle	Iron Wheel
34.20	34.20
34.20	34.20
38.40	38.40
Brass Wheel	Loose Key
39.00	39.00
39.00	39.00
43.20	43.20

COMPRESSION BASIN COCKS

No. 0
CROSS HANDLE

Plate 1576-H

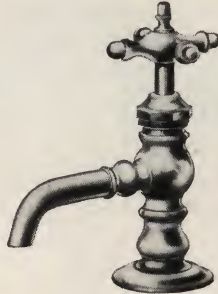
No. 1
CROSS HANDLE

Plate 1577-H

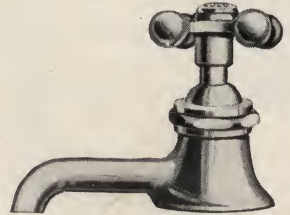
No. 27
WITH CHINA INDEX

Plate 1578-H

Price, No. 0, Cross Handle, Nickel-plated	per dozen	27.60
" " 0, Tee " " "	"	24.60
" " 1, Cross " " "	"	29.40
" " 1, Tee " " "	"	26.40
" " 1, with China Indexed Handle, Nickel-plated	"	35.40
" " 27, " " " " " " "	"	30.40
Add for Stuffing Box	"	4.20

No. 26
WITH CHINA INDEX

Plate 1579-H

No. 33
WITH CHINA INDEX

Plate 1580-H

Price, No. 26, with China Indexed Handle, Nickel-plated	per dozen	32.40
" " 33, " " " " " " "	"	51.00
" " 28, same as No. 33, except with Solid China Cross Handle	"	53.40

COMPRESSION BASIN, SHAMPOO AND PANTRY COCKS

COMPRESSION
DOUBLE BASIN COCK

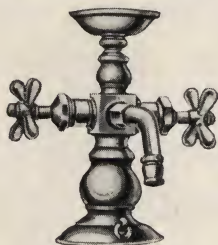


Plate 1581-H

COMPRESSION
SHAMPOO COCK

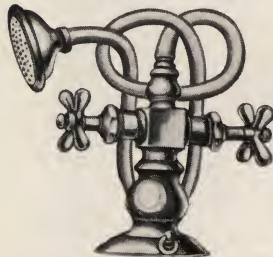


Plate 1582-H

COMPRESSION
SHAMPOO AND
BASIN COCK

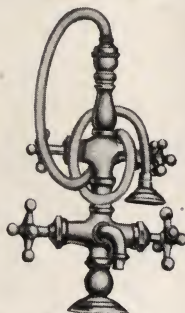


Plate 1583-H

COMPRESSION BASIN AND SHAMPOO COCKS

Price, Double Basin Cocks, Nickel-plated.....	each	13.75
Add for Stuffing Boxes.....	each cock	.70
“ “ Oval Cup.....	“ “	1.00
“ “ Four-Ball China Index Handles.....	“ “	1.60
Price, Shampoo Cocks.....	each	13.25
Add for Stuffing Boxes.....	each cock	.70
“ “ Four-Ball China Index Handles.....	“ “	1.60
Price, Shampoo and Basin Cocks.....	each	30.00
Add for Stuffing Boxes.....	each cock	1.40
“ “ Four-Ball China Index Handles.....	“ “	3.20

Rubber tubing extra.

COMPRESSION PANTRY COCKS

SINGLE

SINGLE

Number.....	1	2
Price, “T” Handle, Nickel-plated.....		
.....per dozen	45.00	54.00
“ Cross Handle, Nickel-plated.....per dozen	48.00	57.00
“ Four-Ball China Index Handle.....per dozen	57.60	66.60
Add for Hose End... “	3.60	3.60
“ “ Stuffing Box “	4.20	4.80

DOUBLE

Price, Nickel-plated.....	each	12.50
Add for Four-Ball China Index Handle.....	each cock	1.60
“ for Hose End.....	“ “	.30
“ “ Stuffing Boxes.....	“ “	.70

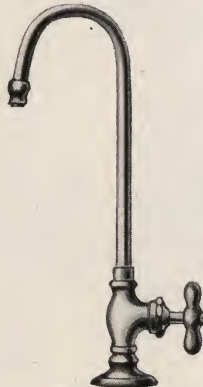


Plate 1584-H

DOUBLE

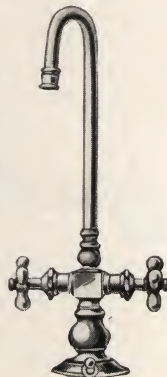


Plate 1585-H

COMPRESSION DOUBLE BATH COCKS

No. 3

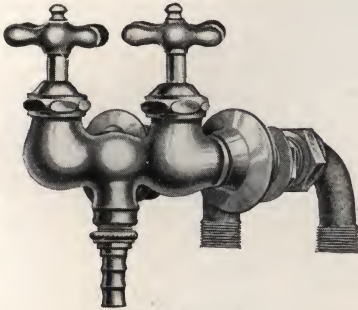


Plate 1586-H

No. 3A

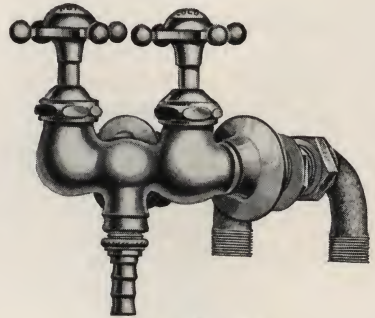


Plate 1587-H

Price, No. 3 Nickel-plated Compression Double Bath Cocks with Rough Brass
Couplings, $\frac{1}{2}$ -inch I. P. Male.....each 6.75
Add for Solid China Cross Handles.....per cock 2.00

Price, No. 3A Nickel-plated Compression Double Bath Cocks with China Indexed
Handles and Rough Brass Couplings, $\frac{1}{2}$ -inch I. P. Male.....each 7.75
Add for Solid China Cross Handles.....per cock 1.00

No. 3B

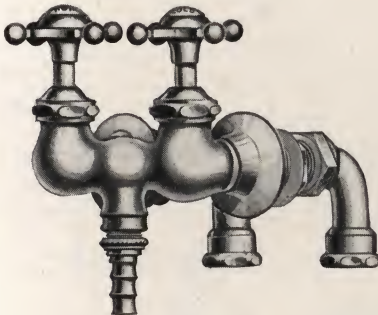


Plate 1588-H

No. 3C

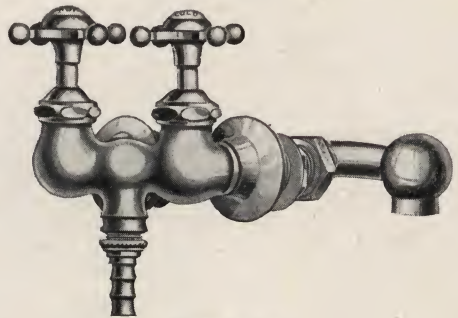


Plate 1589-H

Price, No. 3B Nickel-plated Compression Double Bath Cocks with China Indexed
Handles and Nickel-plated Couplings, $\frac{1}{2}$ -inch I. P. Femaleeach 9.05

Price, No. 3C Nickel-plated Compression Double Bath Cocks with China Indexed
Handles and Nickel-plated Ball Offset Couplings, $\frac{1}{2}$ -inch I. P.
Femaleeach 9.05

Add for Stuffing Boxesper cock .80
“ “ Solid China Cross Handles.....per cock 1.00

All above Bath Cocks $3\frac{3}{8}$ inches center to center.

“YESMUR” QUICK ACTION WORK

BASIN COCK

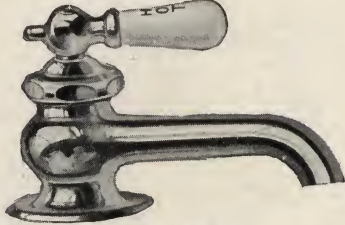


Plate 1590-H

Price, Basin Cocks Nickel-plated, with China Indexed Handle.....each 2.50

“Yesmur” quick action work opens to full flow on one eighth turn of handle and closes at one quarter turn. The spout gives a large, solid stream. Cannot be opened by high pressure; the higher the pressure the tighter it closes. Working parts are few and interchangeable. The handle can be placed in any position by simply loosening the cap. As regularly assembled, the handle is central when closed; right-hand or cold water cocks open to the right; left-hand or hot water cocks open to the left.

DOUBLE BATH COCKS

TOP HANDLE

SIDE HANDLE



Plate 1591-H

Plate 1592-H

Style.....	Top Handles	Side Handles
Price, Nickel-plated, with China Indexed Handles, no Couplings.....each	5.50	6.50
“ extra for Nickel-plated Male Couplings..... “	1.00	1.00
“ “ “ “ “ Ball Offset Couplings..... “	2.00	2.00

WITH CHINA INDEXED HANDLES AND CHINA SOAP DISH

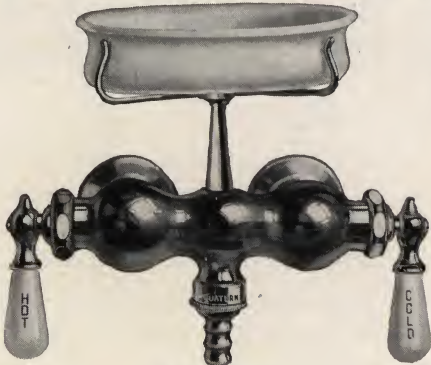


Plate 1593-H

Price, Nickel-plated, with Locknuts only.....each	8.10
“ “ “ “ “ Rough Nickel-plated Coupling Nuts..... “	8.35
“ “ “ “ “ Finished “ “ Male Couplings..... “	9.10
“ “ “ “ “ “ “ Female Couplings..... “	9.85
“ “ “ “ “ “ “ “ “ Ball Ells... “	10.10

“ YESMUR ” QUICK ACTION WORK

DOUBLE PANTRY COCK

SINGLE PANTRY COCK

SHAMPOO COCK



Plate 1598-H



Plate 1599-H



Plate 1600-H

SHAMPOO COCKS

Price, Nickel-plated, with China Handles, Rubber Tubing and Sprayeach 24.00

PANTRY COCKS

Price, Double, Nickel-plated, with China Handles.....each 14.50
“ Single, “ “ “ “ “ “ 4.25

COMBINATION SHAMPOO COCKS

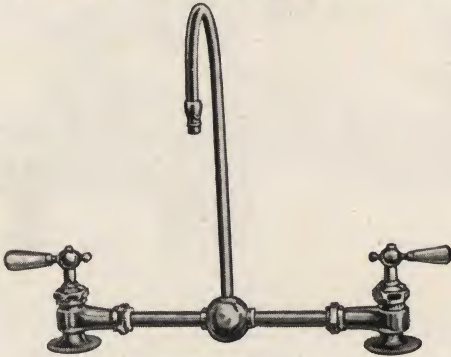


Plate 1601-H

Price, Nickel-plated, with China Handleseach 16.50

"YESMUR" QUICK ACTION COMBINATION MIXING FAUCETS

SINK FAUCET WITH SWINGING SPOUT

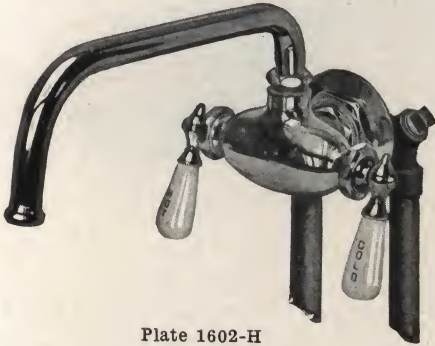


Plate 1602-H

SINK FAUCET WITH SOLID SPOUT



Plate 1603-H

These combination mixing faucets are for kitchen or pantry sinks. The faucets with swinging spouts can be swung back out of the way when not in use. They have a radius of 8 inches, making it possible to fill several vessels in the sink without moving any of them. Supply pipes are $2\frac{1}{2}$ inches center to center.

Price, N. P., with Swinging Spout, with Fitting for Supply and Air Chamber, each	14.50
" " " Solid " " " " " " " " " "	11.00

ADJUSTABLE SINK FAUCETS

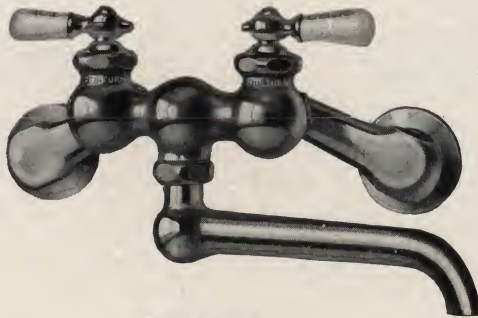


Plate 1604-H

The distance between inlet is adjustable from 4 to $8\frac{1}{2}$ inches. Extends into sink $3\frac{3}{8}$ inches. Spout has a radius of 6 inches and can be pushed back out of the way, but not so as to strike against back of sink.

Price, Nickel-plated, with China Handles, for $\frac{1}{2}$ or $\frac{3}{4}$ -inch Iron Pipe, Male or Female.....each	10.00
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FULLER BIBBS

FOR IRON PIPE

PLAIN BIBB

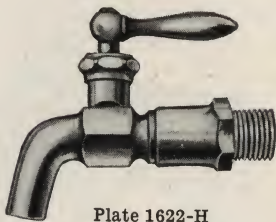


Plate 1622-H

HOSE BIBB

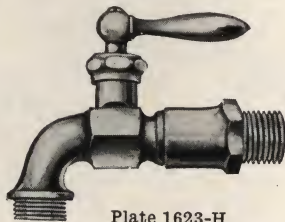


Plate 1623-H

PLAIN BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	23.40	27.60	38.40	72.00
" Nickel-plated.....	"	28.20	32.40	45.60	81.00

HOSE BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	27.00	31.20	42.00	80.40
" Nickel-plated.....	"	31.80	36.00	49.20	89.40

FOR LEAD PIPE

PLAIN BIBB

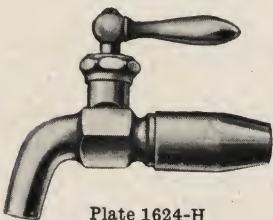


Plate 1624-H

HOSE BIBB

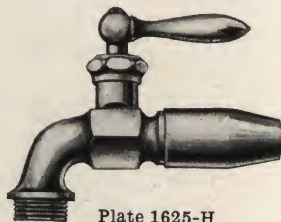


Plate 1625-H

PLAIN BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	24.60	29.40	40.80	75.60
" Nickel-plated.....	"	29.40	34.20	48.00	84.60

HOSE BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	28.20	33.00	44.40	84.00
" Nickel-plated.....	"	33.00	37.80	51.60	93.00

EXTRA FOR CHINA HANDLES

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Extra.....	per dozen	9.00	9.00	9.00	9.00

FULLER BIBBS

FOR IRON PIPE, S. O. T.

PLAIN BIBB

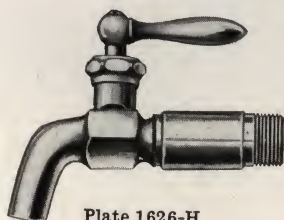


Plate 1626-H

HOSE BIBB

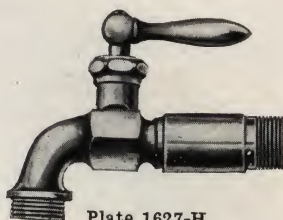


Plate 1627-H

PLAIN BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	26.40	31.20	44.40	81.60
" Nickel-plated.....	"	31.20	36.00	51.60	90.60
Add for Hexagon on Shank.....	"	1.80	1.80	1.80	3.00

HOSE BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	30.00	34.80	48.00	90.00
" Nickel-plated.....	"	34.80	39.60	55.20	99.00
Add for Hexagon on Shank.....	"	1.80	1.80	1.80	3.00

SOLID FLANGE, FEMALE WITH HEXAGON, FOR IRON PIPE

PLAIN BIBB



Plate 1628-H

HOSE BIBB

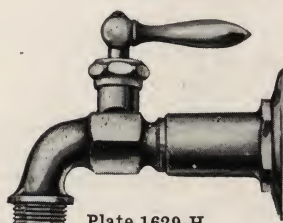


Plate 1629-H

PLAIN BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	29.40	34.80	47.40	85.20
" Nickel-plated.....	"	34.20	39.60	54.60	94.20
Add for Male Flange.....	"	1.80	1.80	1.80	3.00

HOSE BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	33.00	38.40	51.00	93.60
" Nickel-plated.....	"	37.80	43.20	58.20	102.60
Add for Male Flange.....	"	1.80	1.80	1.80	3.00

EXTRA FOR CHINA HANDLES

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Extra.....	per dozen	9.00	9.00	9.00	9.00

FULLER BIBBS

FOR IRON PIPE

ADJUSTABLE FLANGE WITH HEXAGON

PLAIN BIBB

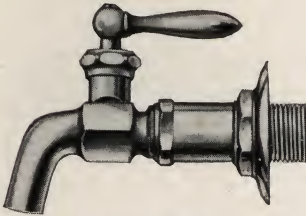


Plate 1630-H

HOSE BIBB

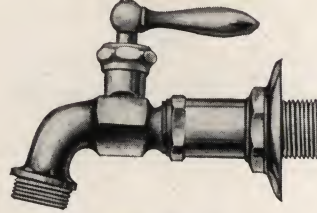


Plate 1631-H

PLAIN BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	32.40	38.40	49.80	90.00
" Nickel-plated.....	"	37.20	43.20	57.00	99.00

HOSE BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	36.00	42.00	53.40	98.40
" Nickel-plated.....	"	40.80	46.80	60.60	107.40

S. O. T., ADJUSTABLE SET-SCREW FLANGE

PLAIN BIBB

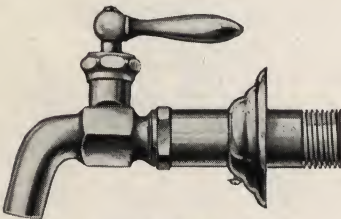


Plate 1632-H

HOSE BIBB

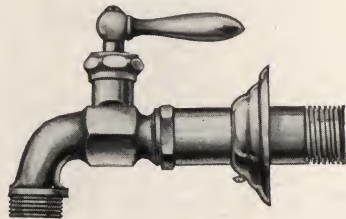


Plate 1633-H

PLAIN BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	33.60	39.00	52.80	96.00
" Nickel-plated.....	"	38.40	43.80	60.00	105.00

HOSE BIBBS

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	37.20	42.60	56.40	104.40
" Nickel-plated.....	"	42.00	47.40	63.60	113.40

EXTRA FOR CHINA HANDLES, ETC.

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Add.....	per dozen	9.00	9.00	9.00	9.00
Deduct for Hexagon on Shank.....	"	1.80	1.80	1.80	3.00

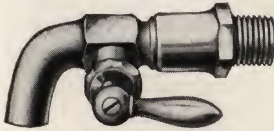
FULLER WASH TRAY BIBBS**FOR IRON PIPE****WITH SHOULDER**

Plate 1634-H

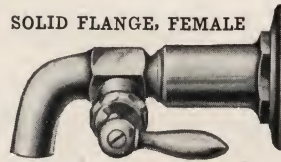
SOLID FLANGE, FEMALE

Plate 1635-H

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, with Shoulder, Finished	per dozen	25.80	31.20	43.20
" " " Nickel-plated	"	30.60	36.00	50.40
" Flanged, Female, Finished	"	31.80	38.40	52.20
" " " Nickel-plated	"	36.60	43.20	59.40
Add for Male End.....	"	1.80	1.80	1.80

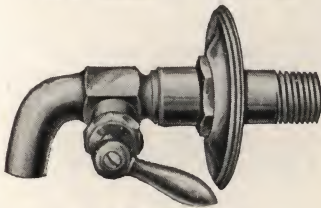
ADJUSTABLE FLANGE**FLANGED, IRON PIPE, S. O. T**

Plate 1636-H

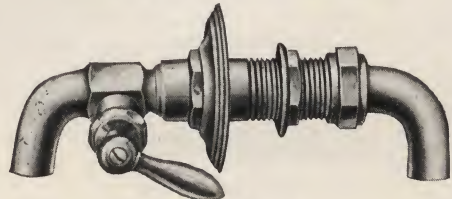
FLANGE, NUT AND BENT COUPLING

Plate 1637-H

Size	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Flanged, Iron Pipe, S. O. T., Finished	per dozen	36.00	43.80	58.80
" " " Nickel-plated	"	40.80	48.60	66.00
" Flange, Nut and Bent Coupling, Finished	"	51.00	63.00	85.20
" " " " " Nickel-plated ..	"	55.80	67.80	92.40

SOLID FLANGE**IRON PIPE, MALE**

Plate 1638-H

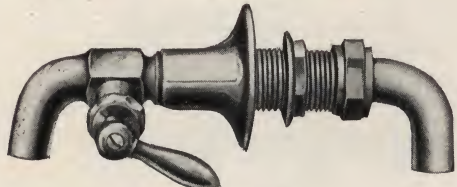
FLANGE, NUT AND BENT COUPLING

Plate 1639-H

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price, Iron Pipe, Male, Finished	per dozen	31.80	38.40	52.20
" " " Nickel-plated	"	36.60	43.20	59.40
Add for Lead Pipe Thimbles.....	"	3.00	3.60	4.20
Price, Flange, Nut and Bent Coupling.....	"	43.80	54.00	75.60
" " " " "	"	48.60	58.80	82.80
Add for China Handles, all sizes	per dozen	9.00		

FULLER BRACKET BASIN COCKS, ETC.

BRACKET BASIN COCKS

With Swinging Tube, Flange and Thimble for Lead Pipe

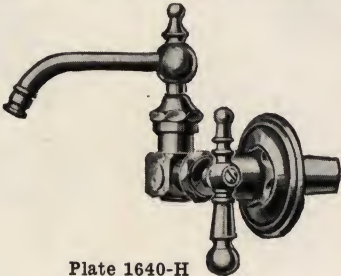


Plate 1640-H

Price, Nickel-plated	per dozen	72.00
“ Extra for China Handle.....	“	9.00

URINAL COCKS

FOR LEAD PIPE



Plate 1641-H

FOR IRON PIPE



Plate 1642-H

Size	inches	1/2
Price, for Lead Pipe, Finished	per dozen	49.20
“ “ “ “ Nickel-plated	“	54.00
“ “ Iron “ Finished	“	48.00
“ “ “ “ Nickel-plated.....	“	52.80

STOP COCKS

FOR LEAD PIPE

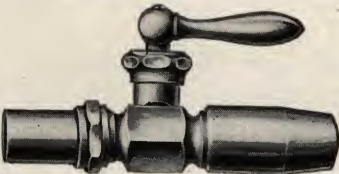


Plate 1643-H

FOR IRON PIPE

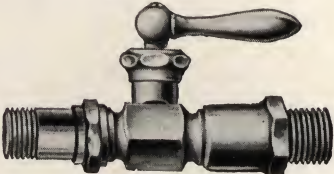


Plate 1644-H

Size	inches	1/2	5/8	3/4	1
Price, for Lead Pipe, Rough.....	per dozen	39.00	46.80	66.00	121.20
“ “ “ “ Finished	“	41.40	49.20	68.40	127.20
“ “ “ “ Nickel-plated	“	46.20	54.00	75.60	136.20
“ “ Iron “ Rough	“	36.60	43.20	61.20	114.00
“ “ “ “ Finished	“	39.00	45.60	63.60	120.00
“ “ “ “ Nickel-plated.....	“	43.80	50.40	70.80	129.00

FULLER BASIN COCKS

No. 0



Plate 1645-H

No. 0
WITH CHINA INDEXED TOP

Plate 1646-H

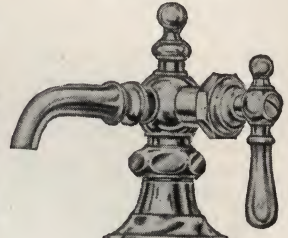
No. 0
WITH UNION

Plate 1647-H

Price, No. 0, Nickel-plated.....	per dozen	39.00
" " 0, " " with China Indexed Top.....	"	45.00
" " 0, " " " Union.....	"	51.00
" " 0, " " " " China Handle and Indexed Top..	"	66.00

No. 1



Plate 1648-H

No. 2

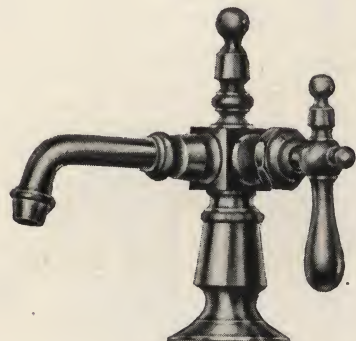


Plate 1649-H

Price, No. 1, Nickel-plated.....	per dozen	45.00
" " 2, " "	"	51.00

FULLER BASIN COCKS

No. 8

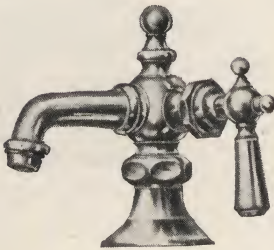


Plate 1650-H

No. 6½

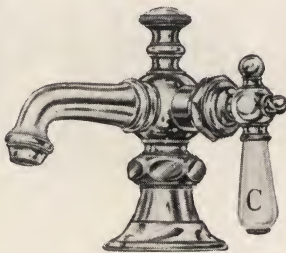


Plate 1651-H

No. 36



Plate 1652-H

Price, No. 8, Nickel-plated.....	per dozen	63.00
“ “ 6½, “ “ with China Index.....	“	70.00
“ “ 6½, with China Index and China Handle.....	“	78.00
“ “ 36, Nickel-plated, with China Handles, China Index and China Base.....	“	120.00

No. 18

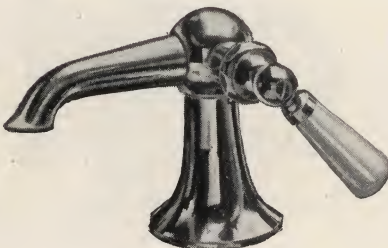


Plate 1653-H

No. 5½

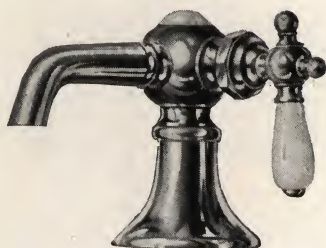


Plate 1654-H

Price, No. 18, Nickel-plated, with China Handle.....	per dozen	66.00
“ “ 5½, “ “ “ “ “ “ and China Index..	“	69.00

FULLER BASIN AND PANTRY COCKS

DOUBLE BASIN COCKS

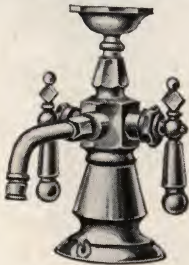
ROUND PATTERN
WITH JEWEL CUP

Plate 1655-H

OVAL PATTERN
WITH OVAL SOAP CUP

Plate 1656-H

Price, Round Pattern, Nickel-plated.....	each	14.00
Add for Oval Cup	"	1.00
Price, Oval Pattern, Nickel-plated	"	16.00
Add for China Handles.....	each cock	1.50

PANTRY COCKS

No. 0, WITH UNION

No. 1

No. 2

No. 3 DOUBLE

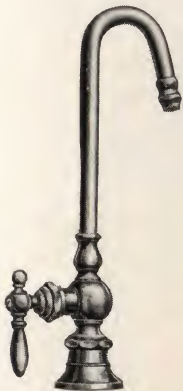


Plate 1657-H



Plate 1658-H



Plate 1659-H

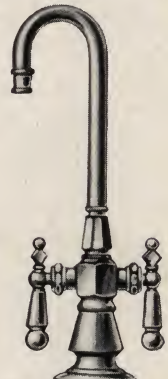


Plate 1660-H

Number	0	1	2	3 Double
Price, Nickel-plated.....per dozen	54.00	54.00	60.00	....
" " " .....	....	....	....	12.75
Add for Hose End.....per dozen	3.60	3.60	3.60	3.60
" " Union	6.00	6.00	....	....
" " China Handle.....per dozen handles	9.00	9.00	9.00	9.00

FULLER SHAMPOO COCKS

BRACKET COCK
FLANGE AND THIMBLE

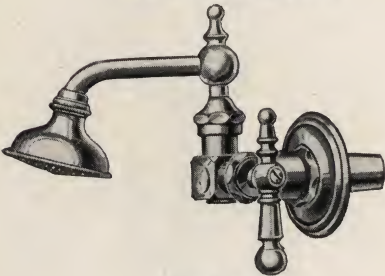


Plate 1661-H

DOUBLE SHAMPOO COCK
WITH SWINGING TUBE

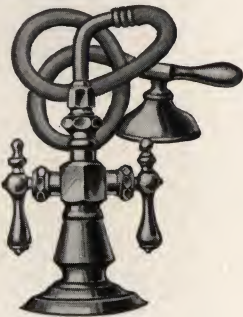


Plate 1662-H

BRACKET COCKS

Price, Nickel-plated, Flange and Thimble, for Lead Pipe.....	per dozen	81.00
“ “ “ “ Nut and Bent Coupling.....	“	93.00
Add for China Handles.....	“	9.00

DOUBLE SHAMPOO COCKS

Price, Nickel-plated.....	each	13.50
Add for China Handles.....	per cock	1.50

No. 1
SINGLE BASIN



Plate 1663-H

No. 2
DOUBLE BASIN

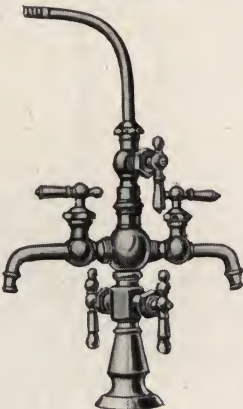


Plate 1664-H

No. 12 COMBINATION, DOUBLE
BASIN AND SHAMPOO

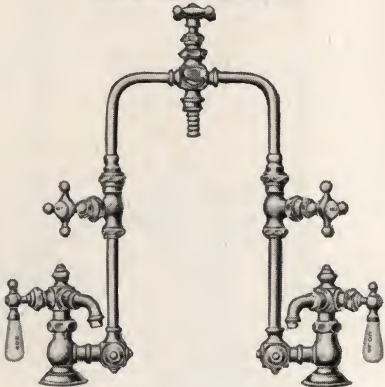
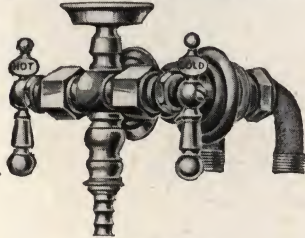
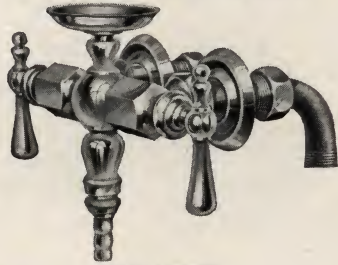


Plate 1665-H

Number.....	1	2	12
Price, Nickel-plated.....each	25.00	30.00	45.00
Add for China Handles.....each lever	.75	.75	....
No. 12 furnished with Compression Basin Cocks at same price.			

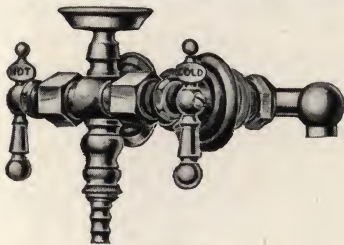
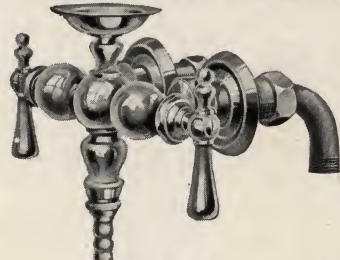
No. 12 furnished with Compression Basin Cocks at same price.

No. 4½ FULLER BATH COCKS**3⅜ INCHES CENTER TO CENTER****HEXAGON BODY****WITH JEWEL CUP AND
MALE IRON PIPE COUPLINGS****Plate 1666-H****WITH SOAP CUP AND
MALE IRON PIPE COUPLINGS****Plate 1667-H****PLATE 1666-H**

Price, Nickel-plated, without Couplings, with Locknuts.....	each	7.50
" " " with Rough Couplings, I. P. Male.....	"	8.45
" " " " Finished " " ".....	"	8.90

PLATE 1667-H

Price, Nickel-plated, without Couplings, with Locknuts.....	each	8.50
" " " with Rough Couplings, I. P. Male.....	"	9.45
" " " " Finished " " ".....	"	9.90

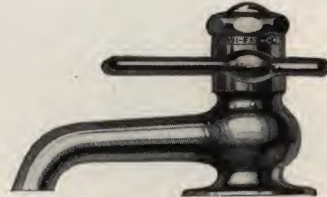
**HEXAGON BODY WITH JEWEL CUP
AND BALL OFFSET COUPLINGS****Plate 1668-H****ROUND BODY WITH JEWEL CUP
AND MALE IRON PIPE COUPLINGS****Plate 1669-H****PLATE 1668-H**

Price, Nickel-plated, with Finished Ball Offset Couplings.....	each	9.75
--	------	------

PLATE 1669-H

Price, Nickel-plated, without Couplings, with Locknuts.....	each	7.00
" " " with Rough Couplings, I. P. Male.....	"	7.95
" " " " Finished " " ".....	"	8.40

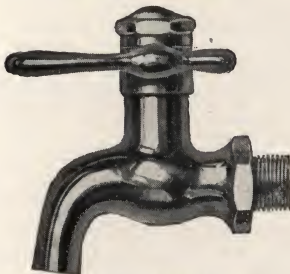
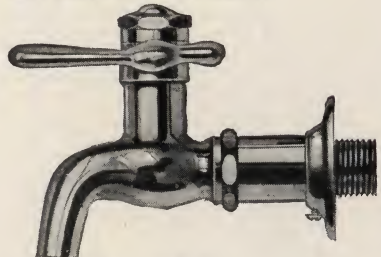
Add for China Handles.....	per cock	1.50
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"YESMUR" SELF-CLOSING WORK**BASIN COCKS****"YESMUR"****Plate 1681-H****"YESMUR" JR.****Plate 1682-H****PUSH BUTTON****Plate 1683-H**

Price, "Yesmur," Nickel-plated, with Nickel-plated Brass Handle. per dozen	54.00
" " " " China Indexed, Nickel-plated	"
Handle	49.50
" "Yesmur," Nickel-plated, Plain Top and Nickel-plated Handle..	46.50
" " Junior, Nickel-plated, with China Index.....	38.40
" " " " Plain.....	36.00
" Push Button, Nickel-plated, with China Index	36.00

"YESMUR" SELF-CLOSING BIBBS

Fulcrum Handle, Plain Bibbs, for Iron Pipe

WITH SHOULDER**Plate 1684-H****WITH SET SCREW FLANGE****Plate 1685-H**

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$
Price, with Shoulder..... per dozen		34.80	40.80
" " Set Screw Flange.....	"	49.20	56.40

RUMSEY'S BALL-BEARING SELF-CLOSING WORK BASIN COCKS

**FOUR-BALL HANDLE
WITH CHINA INDEX**

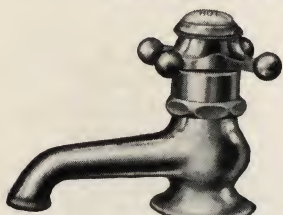


Plate 1686-H

**CROWN HANDLE
WITH CHINA INDEX**



Plate 1687-H

Price, Nickel-plated, with Four-Ball Handle and China Index.....	per dozen	64.20
" " " " Crown " " " " " " " " " " " "	"	64.20
If without China Index, deduct.....	"	5.00

BIBBS

**WITH SHOULDER FOR IRON PIPE
WITH FOUR-BALL HANDLE WITH CROWN HANDLE**

**WITH TEE HANDLE AND
SET SCREW FLANGE**

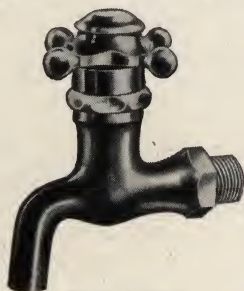


Plate 1688-H

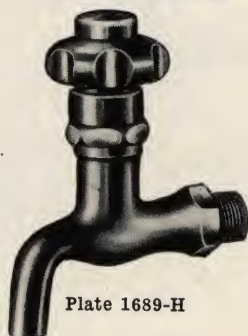


Plate 1689-H

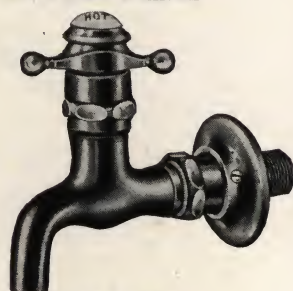


Plate 1690-H

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$
Price, with I. P. Shoulder and Four-Ball Handle, Finished.....	per dozen	31.50	34.50
" " " " " " " " " " " " " " " " " "	"	37.50	40.50
" " " " " " " " " " " " " " " " " "	"	34.00	37.00
" " " " " " " " " " " " " " " " " "	"	40.00	43.00
" " " " " " " " " " " " " " " " " "	"	50.00	53.00
" " " " " " " " " " " " " " " " " "	"	56.00	59.00
" " " " " " " " " " " " " " " " " "	"	47.50	50.50
" " " " " " " " " " " " " " " " " "	"	53.50	56.50
Add or deduct for China Index.....	"	4.00	4.00

STOP COCKS

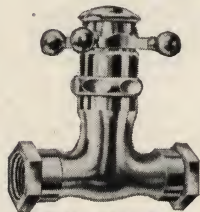


Plate 1691-H

Size.....	inches	$\frac{1}{2}$
Price, with Four-Arm Handle, Finished.....	per dozen	32.00
" " " " " " " " " " " " " " " " " "	"	36.00
" " " " " " " " " " " " " " " " " "	"	34.50
" " " " " " " " " " " " " " " " " "	"	38.50
Add for China Index.....	"	4.00

BOSTON SELF-CLOSING WORK

BASIN COCK



Plate 1692-H

URINAL COCK
FOR IRON PIPE

Plate 1693-H

Price, Basin Cocks, Nickel-plated	per dozen	47.40
" Urinal " Finished	"	37.80
" " Nickel-plated	"	43.80

BIBBS—FOR IRON PIPE

WITH SHOULDER

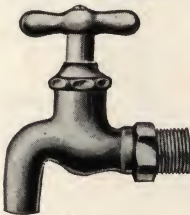


Plate 1694-H

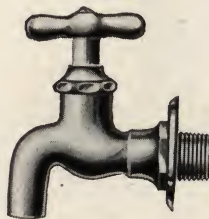
SOLID FLANGE, WITH HEXAGON
MALE

Plate 1695-H

FEMALE



Plate 1696-H

WITH SHOULDER

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished	per dozen	29.40	30.60	37.20	47.40	79.20
" Nickel-plated	"	35.40	36.60	43.20	55.20	89.40

SOLID FLANGE, WITH HEXAGON

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Male, Finished	per dozen	37.20	38.40	46.20	58.20	95.40
" " Nickel-plated	"	43.20	44.40	52.20	66.00	105.60
" Female, Finished	"	35.40	36.60	44.40	56.40	92.40
" " Nickel-plated	"	41.40	42.60	50.40	64.20	102.60
Deduct for Hexagon on Shank	"	1.80	1.80	1.80	1.80	3.00

DOHERTY SELF-CLOSING WORK

URINAL COCK
FOR IRON PIPE

BASIN COCK

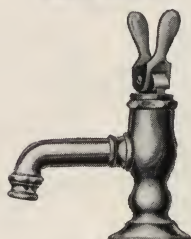


Plate 1697-H

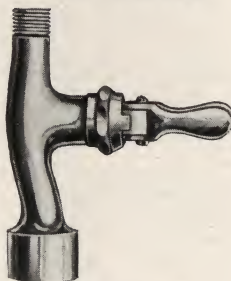


Plate 1698-H

Price, Basin Cocks, Nickel-plated.....	per dozen	52.20
“ Urinal “ Finished	“	42.60
“ “ “ Nickel-plated.....	“	48.60

BIBBS—FOR IRON PIPE

WITH SHOULDER

SOLID FLANGE, MALE

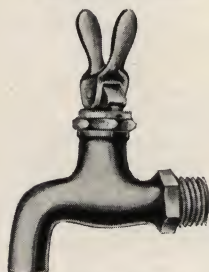
DETACHABLE SHANK
WITH HEXAGON, FEMALE

Plate 1699-H

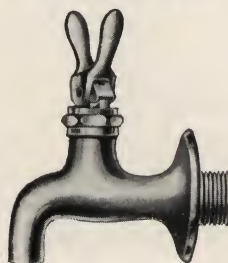


Plate 1700-H

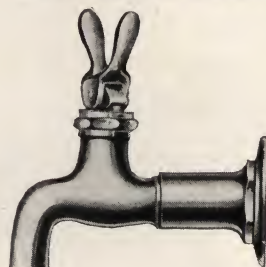


Plate 1701-H

WITH SHOULDER

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	34.20	35.40	42.00	52.20	84.00
“ Nickel-plated.....	“	40.20	41.40	48.00	60.00	94.20

SOLID FLANGE, MALE

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	40.20	41.40	49.20	61.20	97.20
“ Nickel-plated.....	“	46.20	47.40	55.20	69.00	107.40
Add for Hexagon on Shank.....	“	1.80	1.80	1.80	1.80	3.00

DETACHABLE SHANK WITH HEXAGON, FEMALE

Size.....	inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Finished.....	per dozen	47.40	56.40	70.20	108.60
“ Nickel-plated.....	“	53.40	62.40	78.00	118.80

TELEGRAPH SELF-CLOSING WORK

BASIN COCKS



Plate 1702-H

Price, Finished or Nickel-plated.....per dozen 36.00
 Regularly furnished with $\frac{1}{4}$ -inch iron pipe, male rough couplings.

BIBBS

FOR LEAD PIPE

FOR IRON PIPE WITH SHOULDER



Plate 1703-H

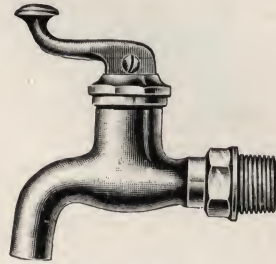


Plate 1704-H

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, for Lead Pipe, Finished..	per dozen	25.80	27.00	34.20	45.00	78.00
" " " " Nickel-plated .	"	31.80	33.00	40.20	52.80	88.20
" " " " Iron " Finished..	"	24.60	25.80	32.40	42.60	74.40
" " " " Nickel-plated .	"	30.60	31.80	38.40	50.40	84.60

COOLER COCKS

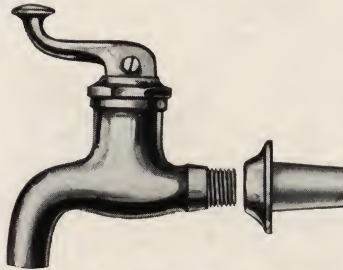


Plate 1705-H

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$
Price, Finished.....	per dozen	25.00	30.00
" Nickel-plated.....	"	27.50	32.50

SELF-CLOSING PANTRY AND SHOWER COCKS

PANTRY COCKS

BALL-BEARING



Plate 1706-H

BOSTON



Plate 1707-H

DOHERTY



Plate 1708-H

Price, Ball-Bearing, with Four-Arm Handle, Finished and Nickel-plated.....	per doz.	66.50
“ “ “ “ Crown Handle, Finished and Nickel-plated.....	“	69.00
Add for China Index.....	“	4.00
Price, Boston, Finished or Nickel-plated.....	“	64.80
“ “ with Hose End, Finished or Nickel-plated.....	“	68.40
“ Doherty, Finished or Nickel-plated.....	“	69.60
“ “ with Hose End, Finished or Nickel-plated.....	“	73.20

LEVER HANDLE SELF-CLOSING SHOWER COCKS

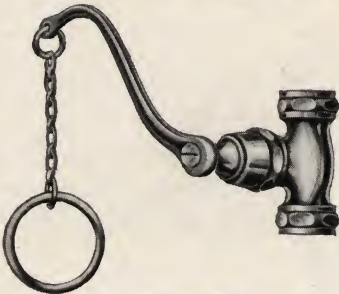
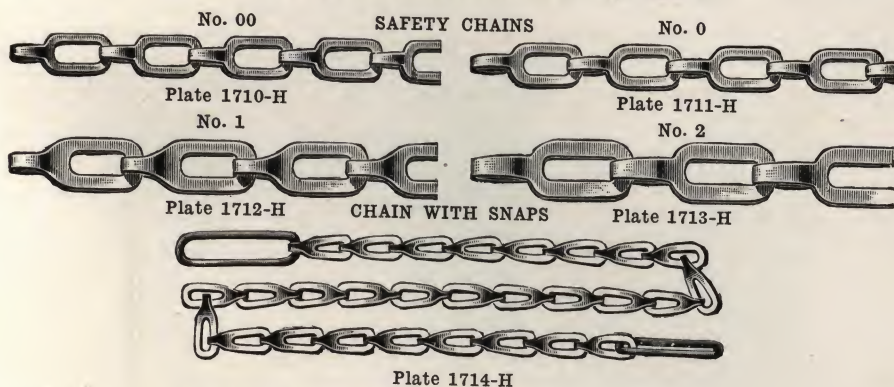


Plate 1709-H

Size.....	inches	1/2	5/8
Price, Finished.....	per dozen	52.80	59.40
“ Nickel-plated.....	“	58.80	65.40

CHAINS, CHAIN STAYS, ETC.



SAFETY CHAINS, IN BOXES OF 12 YARDS

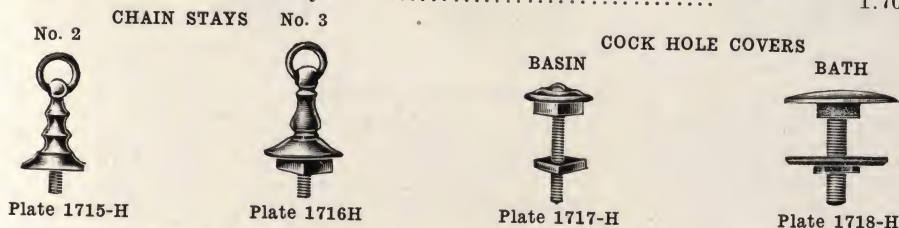
Number.....	00	0	1	2
Price, Brass.....	1.25	1.50	1.85	2.30
" Nickel-plated.....	1.50	1.75	2.10	2.80

SAFETY CHAINS, ON REELS OF 500 FEET

Number.....	00	0	1	2
Price, Brass.....	3.60	4.30	5.20	6.40
" Nickel-plated.....	4.10	4.80	5.70	7.40

SAFETY CHAINS WITH SNAPS

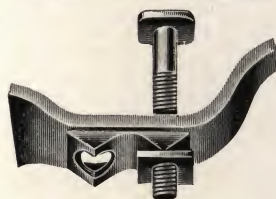
Price, Nickel-plated Basin.....	per dozen	1.25
" " " Bath.....	"	1.95
" " " Wash Tray.....	"	1.70



CHAIN STAYS

Number.....	2	3
Price, N. P.....	3.60	4.20

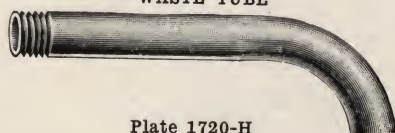
SUPERIOR BASIN CLAMP



COCK HOLE COVERS

Style.....	Basin	Bath
Price, N. P.....	4.20	10.80

WASTE TUBE



Price, Superior Basin Clamps.....	per dozen	2.00
" Waste Tubes, Rough.....	"	1.50
" " " Finished.....	"	2.00

PLUGS WITH RUBBER STOPPERS

BASIN PLUGS

PATENT OVERFLOW COMMON OVERFLOW



Plate 1721-H



Plate 1722-H

WASH TRAY PLUG

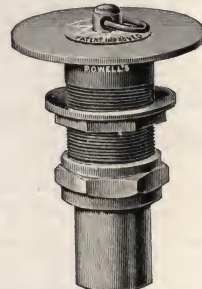


Plate 1723-H

Size	1	1 1/4	1 1/2	2
Price, Patent Overflow Basin Plugs, Finished	9.00	12.00	....	....
" " " " " Nickel-plated	10.80	13.80	....	....
" " " " " Finished	7.80	10.80	....	....
" " " " " Nickel-plated	9.00	12.00	....	....
" Wash Tray Plugs, Finished	19.80	21.60	27.00	42.00
" " " " " Nickel-plated	21.60	24.60	30.00	48.00

SINK OR BATH PLUG



Plate 1724-H

WASH TRAY PLUG



Plate 1725-H

RUBBER STOPPERS

STAR REGULAR



Plate 1726-H



Plate 1727-H

SINK OR BATH PLUGS

Size	1	1 1/4	1 1/2	2
Price, Finished	2.40	3.00	4.20	8.40
" Nickel-plated	3.00	3.60	4.80	9.60

WASH TRAY PLUGS

Size	1	1 1/4	1 1/2	2
Price, Finished	5.40	6.00	7.20	10.80
" Nickel-plated	7.20	7.85	9.00	13.80

RUBBER STOPPERS

Size	3/4	7/8	1	1 1/8	1 1/4	1 1/2	2
Price, Star	1.20	1.20	1.20	1.25	1.50	2.00	3.00
" Regular	1.44	1.44	1.44	1.56	1.80	2.28	3.24

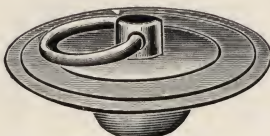


Plate 1728-H

SPECIAL RUBBER STOPPERS

Price, Basin Size	4.20
" Bath "	6.00

PLUGS WITH METAL STOPPERS

COMMON OVERFLOW
BASIN PLUG

Plate 1729-H

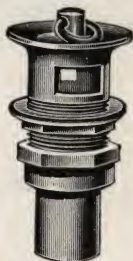
PATENT OVERFLOW
BASIN PLUG

Plate 1730-H

WASH TRAY PLUG

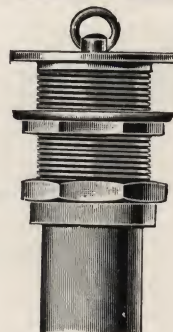


Plate 1731-H

BASIN PLUGS

Size.....	inches	1	1 1/4
Price, Finished, Common Overflow.....	per dozen	7.80	10.80
“ Nickel-plated, Common Overflow.....	“	9.00	12.00
“ Finished, Patent Overflow.....	“	9.00	12.00
“ Nickel-plated, Patent Overflow.....	“	10.80	13.80

WASH TRAY PLUGS

Size.....	inches	1	1 1/4	1 1/2	2
Diameter of Flange.....	“	2 7/8	3	3 3/8	3 5/8
Price, Finished.....	per dozen	19.80	21.60	30.00	60.00
“ Nickel-plated.....	“	21.60	24.60	36.00	75.00

WASH TRAY PLUG
IRON PIPE WASTE

Plate 1732-H

SINK OR BATH PLUG



Plate 1733-H

WASH TRAY PLUG

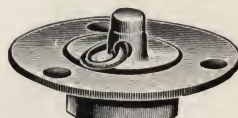


Plate 1734-H

WASH TRAY PLUGS—IRON PIPE WASTE

Size.....	inches	1	1 1/4	1 1/2	2
Diameter of Flange.....	“	2 7/8	3	3 3/8	3 5/8
Price, Finished.....	per dozen	15.00	15.60	24.00	48.00
“ Nickel-plated.....	“	18.00	18.60	28.80	54.00

SINK OR BATH PLUGS

Size.....	inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Price, Finished, per dozen		2.40	2.40	3.00	4.20	8.40	15.00	18.00	36.00
“ Nickel-plated “		3.00	3.00	3.60	4.80	9.60	17.40	21.00	42.00

WASH TRAY PLUGS

Size.....	inches	1 1/4	1 1/2	2	2 1/2	3	4
Price, Finished, per dozen		6.00	7.20	10.80	18.00	22.80	45.00
“ Nickel-plated,....	“	7.80	9.00	13.80	21.00	27.00	54.00

TRAP SCREWS

REGULAR

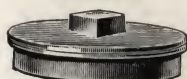


Plate 1742-H

WITH PROJECTING FLANGE
FOR MARBLE OR TILE FLOORS

Plate 1743-H

WITH COUNTERSUNK
CAP

Plate 1744-H

REGULAR

Size..... inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, Finished..... per dozen	1.80	2.40	3.00	3.60	4.20	7.20
“ Nickel-plated .. “	4.20	4.80	5.40	6.60	7.20	12.00
Size..... inches	2 1/2	3	3 1/2	4	5	6
Price, Finished..... per dozen	12.00	15.00	18.00	21.00	27.00	42.00
“ Nickel-plated .. “	15.00	21.00	24.00	27.00	36.00	54.00

WITH PROJECTING FLANGE

Size..... inches	2	2 1/2	3	3 1/2	4	5
Price, Finished..... per dozen	12.00	15.00	21.00	24.00	27.00	36.00
“ Nickel-plated .. “	16.80	21.00	27.00	30.00	36.00	48.00

WITH COUNTERSUNK CAP

Size..... inches	2	2 1/2	3	3 1/2	4
Price, Finished..... per dozen	7.20	10.80	15.00	18.00	21.00
“ Nickel-plated .. “	12.00	15.00	21.00	24.00	27.00

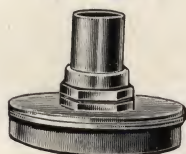
WITH STRAIGHT VENT
COUPLING

Plate 1745-H

WITH FLANGE AND BENT VENT
COUPLING

Plate 1746-H

Size..... inches	3	3 1/2	4	5
Price, with 1 1/4-in. Straight Vent Coupling, Finished.... per dozen	19.80	24.00	27.00	34.80
“ “ 1 1/4 “ “ “ “ Nickel-plated. “	27.00	32.40	36.60	49.20
“ “ 1 1/2 “ “ “ “ Finished.... “	21.00	25.20	28.20	36.00
“ “ 1 1/2 “ “ “ “ Nickel-plated. “	28.80	33.60	38.40	50.40
“ “ 2 “ “ “ “ Finished.... “	23.40	27.00	30.00	37.80
“ “ 2 “ “ “ “ Nickel-plated. “	30.60	35.40	40.20	52.80
“ “ 1 1/4 “ Bent “ “ “ Finished.... “	21.60	25.80	28.80	36.00
“ “ 1 1/4 “ “ “ “ Nickel-plated. “	29.40	34.20	38.40	51.00
“ “ 1 1/2 “ “ “ “ Finished.... “	23.40	27.00	30.00	37.80
“ “ 1 1/2 “ “ “ “ Nickel-plated. “	30.60	35.40	40.20	52.80
“ “ 2 “ “ “ “ Finished.... “	25.20	29.40	32.40	39.60
“ “ 2 “ “ “ “ Nickel-plated. “	32.40	37.80	42.00	54.60

BRASS FERRULES

STRAIGHT



Plate 1747-H

REDUCING



Plate 1748-H

STRAIGHT

Size.....inches	2	2	2	2	3	3
Length....."	3	3½	4	4½	3½	4½
Price, Standard.....per dozen	5.00	6.00	8.00	12.00	9.00	15.00
" Extra Heavy....."	....	....	....	....	....	....
Size.....inches	4	4	4	5	6	....
Length....."	3½	4	4½	....	....	....
Price, Standard.....per dozen	12.00	15.00	19.00	30.00	50.00	....
" Extra Heavy....."	....	....	22.00	45.00	72.00	....

REDUCING

Size.....inches	2x1½	2x1½	2x1½
Length....."	3	3½	4½
Price, Standard.....per dozen	5.00	6.00	12.00
" Extra Heavy....."	....	....	....

WITH
VENT COUPLINGWITH
TRAP SCREW

Plate 1749-H



Plate 1750-H

CUP



Plate 1751-H

WITH TRAP SCREW

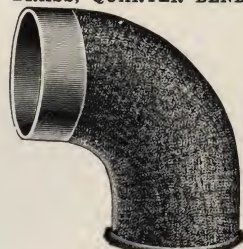
Size.....inches	2	3	4	5	6
Price, Standard.....per dozen	14.40	24.00	31.20	....	....
" Extra Heavy....."	18.60	30.60	40.20	156.00	177.00

WITH VENT COUPLING

Size.....inches	2	4
Price, Standard, with 1½-inch Straight Vent.....per dozen	18.00	64.80
" " " 2 " " "....."	21.00	....
" " " 1½ " Bent Vent....."	22.80	72.00
" " " 2 " " "....."	24.00	....

CUP FERRULES

Size.....inches	2x1½
Price.....per dozen	6.00

BRASS AND IRON FERRULES**BRASS, EIGHTH BEND****Plate 1752-H****BRASS, EIGHTH BEND
WITH HUB****Plate 1753-H****BRASS, QUARTER BEND****Plate 1754-H**

Size.....	inches	2	4
Price, Eighth Bend Ferrules, Standard.....	per dozen	27.00	60.00
“ “ “ “ Extra Heavy.....	“	30.00	66.00
“ “ “ “ with Hub, Standard.....	“	30.00	66.00
“ “ “ “ Extra Heavy.....	“	33.00	72.00
“ Quarter “ “ Standard.....	“	30.00	66.00
“ “ “ “ Extra Heavy.....	“	33.00	72.00

**BRASS, STRAIGHT
WITH HUB****Plate 1755-H****IRON, WITH
BRASS TRAP SCREW****Plate 1756-H****IRON
DRIVE FERRULE****Plate 1757-H****BRASS STRAIGHT FERRULES, WITH HUB**

Size.....	inches	2	4
Price, Standard.....	per dozen	13.80	28.20
“ Extra Heavy.....	“	16.20	33.60

IRON FERRULES, WITH BRASS TRAP SCREW

Size.....	inches	2	3	4
Price, Standard.....	per dozen	10.80	16.80	21.00
“ Extra Heavy.....	“	12.60	20.40	22.80

IRON DRIVE FERRULES

Size.....	inches	2	3	4
Price.....	each	.20	.30	.40

**Plate 1758-H****“BLAKE” CLEANOUT**

These cleanouts have machined surfaces, solid head brass bolt and non-sticking fiber gasket. The drop lug and crossbar is the special feature of this cleanout.

Size.....	inches	2	3	4	5	6
Price, with Iron Cover, each		.30	.40	.50	.90	1.20
“ “ Brass “ “		.50	.65	.80	1.70	2.00

LEAD AND BLOCK TIN PIPE

LEAD PIPE

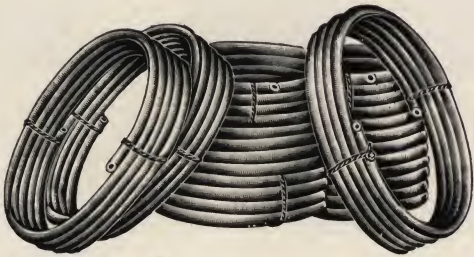


Plate 1800-H

Inside Caliber Inches	AQUEDUCT			EXTRA LIGHT			LIGHT			MEDIUM			STRONG			EXTRA STRONG			DOUBLE EX. STRONG		
	Weight per Foot		Average Length of Coil Feet	Weight per Foot		Average Length of Coil Feet	Weight per Foot		Average Length of Coil Feet	Weight per Foot		Average Length of Coil Feet	Weight per Foot		Average Length of Coil Feet	Weight per Foot		Average Length of Coil Feet	Weight per Foot		Average Length of Coil Feet
	Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces		Pounds	Ounces	
	...	8	175	...	9	155	...	12	235	1	...	175	1	8	120	2	...	90	2	10	...
$\frac{3}{8}$...	8	175	...	9	155	...	12	235	1	...	175	1	8	120	2	...	90	2	10	...
$\frac{1}{2}$...	10	140	...	12	235	...	1	175	1	4	140	1	12	115	2	8	70	3	...	60
$\frac{5}{8}$...	12	100	...	1	140	...	1	100	2	...	85	2	8	80	3	...	58	3	8	50
$\frac{3}{4}$	85	...	1	8	...	2	85	2	4	75	3	...	67	3	...	48	4	...	44
$\frac{7}{8}$...	1	8	...	1	8	...	2	85	2	...	58	3	8	48	...	...	...	...	...	...
1	...	1	8	...	2	...	...	2	85	2	8	70	3	4	50	4	12	35	5	8	30
$1\frac{1}{4}$...	2	...	...	2	8	...	3	70	3	...	53	4	...	48	6	...	28	6	12	24
$1\frac{1}{2}$...	3	...	...	3	8	...	4	40	4	...	40	5	...	36	7	8	20	9	...	17
$1\frac{3}{4}$...	3	...	...	3	12	...	4	40	4	8	35	5	...	23	8	...	16	10	8	15
2	...	3	...	...	4	...	...	5	...	5	...	30	7	...	18	9	...	12	10	...	...
$2\frac{1}{2}$...	4	...	...	...	...	...	6	...	6	...	12	8	...	12	11	...	12	17	...	12
3	...	4	...	...	4	12	...	6	3	12	...	12	9	...	12	12	...	12	...	...	...
$3\frac{1}{2}$	5	...	...	...	...	...	...	...	...	...	15	...	...	12	...	...	...
4	...	5	...	...	6	...	...	...	...	...	...	...	...	...	18	...	...	12	...	...	...
$4\frac{1}{2}$...	6	...	...	...	12	...	8	...	10	...	12	...	...	21	...	...	12	...	...	12

BLOCK TIN PIPE

Inside Diameter....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Weight, per Foot...ounces	3 and 5	4, 5, 6, 8 and 10	4 $\frac{1}{2}$, 5, 6 and 8	8 and 10	10 and 12	15 and 18
Inside Diameter.....inches	$1\frac{1}{4}$		$1\frac{1}{2}$	2		
Weight, per Foot.....pounds	$1\frac{1}{4}$ and $1\frac{3}{4}$		$1\frac{1}{2}$ and 2	3 and 4		

SHEET LEAD, ETC.

SHEET LEAD



Plate 1801-H

Weight per Square Foot Pounds	APPROXIMATE THICKNESS			AVERAGE SIZE OF SHEET FEET		Average Weight per Roll Pounds
	Decimals Inches	Nearest Fraction Inches	Birming- ham Gauge Number	Width Feet	Length Feet	
1½	.0255	¾ ₁₂₈	23	7	18	225
2	.0340	1½ ₂	20	7	18	270
2½	.0425	5¼ ₁₂₈	19	7	19	350
3	.0510	3¼ ₆₄	18	7	19	435
3½	.0595	7¼ ₁₂₈	17	7	19	525
4	.0680	1¼ ₁₆	16	7	20	600
5	.0850	5¼ ₆₄	14	7	20	750
6	.1010	7¼ ₆₄	12	7	22	900
7	.1180	15¼ ₁₂₈	11	7	22	1050
8	.1350	1¼ ₈	10	7	25	1200

PIG LEAD



Plate 1802-H

INGOT LEAD



Plate 1803-H

WIPING SOLDER



Plate 1804-H

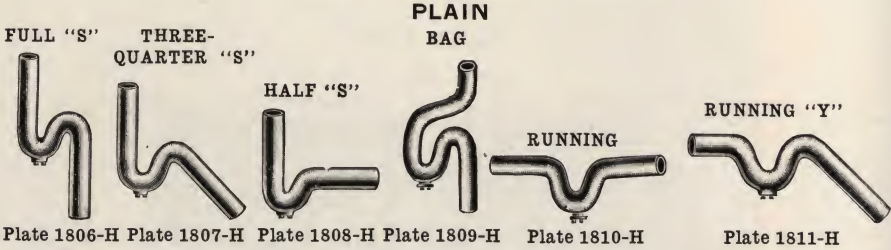
HALF AND HALF SOLDER



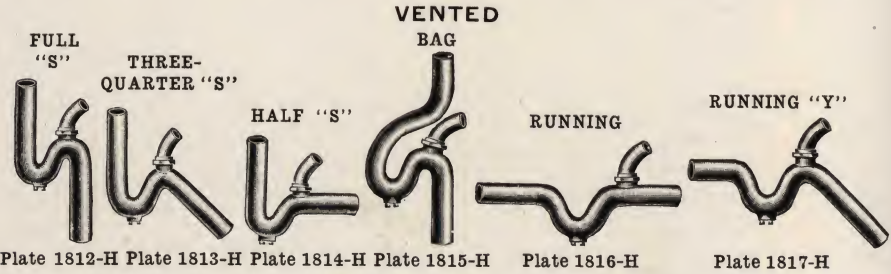
Plate 1805-H

Prices on above, market rates.

RUMSEY'S LEAD TRAPS



Description	STANDARD					SPECIAL (Medium)			EXTRA HEAVY				
Weight, per ft.... pounds	1½	2¼	3¼	5	6	2	3	4	2½	3½	4½	6	8
Size.....inches	1¼	1½	2	3	4	1¼	1½	2	1¼	1½	2	3	4
Price, Full "S" .....each	.58	.90	1.38	2.69	3.25	.73	1.03	1.65	.87	1.25	1.85	3.09	4.30
" ¾ "S" "	.55	.81	1.30	2.62	3.07	.66	.94	1.53	.81	1.15	1.73	2.97	3.95
" ½ "S" "	.51	.75	1.20	2.24	2.49	.64	.87	1.42	.77	1.09	1.57	2.58	3.25
" Bag "	.68	1.08	1.73	3.35	4.77	.87	1.28	2.08	1.06	1.54	2.33	3.96	6.30
" Running "	.48	.72	1.13	2.09	2.53	.58	.87	1.32	.70	1.03	1.46	2.35	3.28
" " "Y" .. "	.52	.76	1.34	2.46	3.15	.65	.94	1.45	.74	1.09	1.61	2.88	4.05



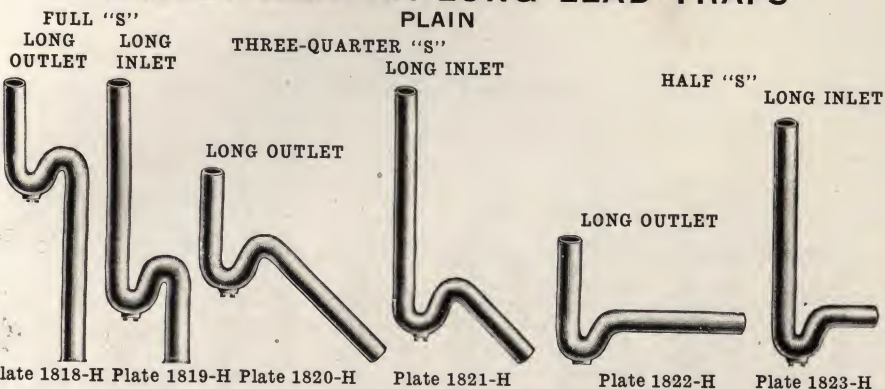
Description	STANDARD					SPECIAL (Medium)			EXTRA HEAVY				
Weight, per ft.... pounds	1½	2¼	3¼	5	6	2	3	4	2½	3½	4½	6	8
Size.....inches	1¼	1½	2	3	4	1¼	1½	2	1¼	1½	2	3	4
Price, Full "S" .....each	1.38	1.85	2.33	3.94	4.50	1.53	1.98	2.60	1.67	2.20	2.80	4.34	5.55
" ¾ "S" "	1.35	1.76	2.25	3.87	4.32	1.46	1.89	2.48	1.61	2.10	2.68	4.22	5.20
" ½ "S" "	1.31	1.70	2.15	3.49	3.74	1.44	1.82	2.37	1.57	2.04	2.52	3.83	4.50
" Bag "	1.48	2.03	2.68	4.60	6.02	1.67	2.23	3.03	1.86	2.49	3.28	5.21	7.55
" Running "	1.28	1.67	2.08	3.34	3.78	1.38	1.82	2.27	1.50	1.98	2.41	3.60	4.53
" " "Y" .. "	1.32	1.71	2.29	3.71	4.40	1.45	1.89	2.40	1.54	2.04	2.56	4.13	5.30

Prices include brass drain screws on all sizes except 4-inch.

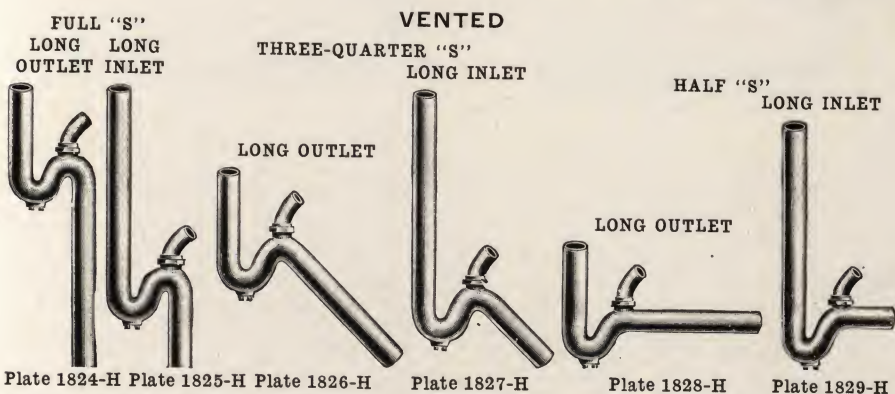
Eighth bend vent connections will be furnished, if not otherwise specified; 2-inch vented traps are furnished with 1½-inch vent; if 2-inch vent is desired, add 30 cents to list.

3 and 4-inch vented traps have 2-inch vent.

RUMSEY'S EXTRA LONG LEAD TRAPS



Description	STANDARD			SPECIAL (MEDIUM)			EXTRA HEAVY		
Weight, per foot..pounds	1½	2¼	3¼	2	3	4	2½	3½	4½
Size .....inches	1¼	1½	2	1¼	1½	2	1¼	1½	2
Full "S," Long Inlet or Outlet, each	.93	1.36	2.00	1.19	1.64	2.40	1.44	1.95	2.69
¾ "S," " " " " " "	.85	1.19	1.76	1.04	1.43	2.08	1.28	1.72	2.33
½ "S," " " " " " "	.76	1.02	1.55	.95	1.22	1.83	1.14	1.50	2.02
Bag, " " " " " "	1.09	1.58	2.34	1.38	1.91	2.80	1.67	2.24	3.11
Running....."	.82	1.15	1.67	1.01	1.41	1.98	1.23	1.65	2.18
" "Y"....."	.83	1.15	1.82	1.05	1.45	2.01	1.23	1.52	2.23



Description.....	STANDARD			SPECIAL (MEDIUM)			EXTRA HEAVY		
Weight, per foot..pounds	1½	2¼	3¼	2	3	4	2½	3½	4½
Size .....inches	1¼	1½	2	1¼	1½	2	1¼	1½	2
Full "S," Long Inlet or Outlet, each	1.73	2.31	2.95	1.99	2.59	3.35	2.24	2.90	3.64
¾ "S," " " " " " "	1.65	2.14	2.71	1.84	2.38	3.03	2.08	2.67	3.28
½ "S," " " " " " "	1.56	1.97	2.50	1.75	2.17	2.78	1.94	2.45	2.97
Bag, " " " " " "	1.89	2.53	3.29	2.18	2.86	3.75	2.47	3.19	4.06
Running....."	1.62	2.10	2.62	1.81	2.36	2.93	2.03	2.60	3.13
" "Y"....."	1.63	2.10	2.77	1.85	2.40	2.96	2.03	2.47	3.18

For full size (2-inch) vents on 2-inch traps, add .39.

RUMSEY'S LEAD DRUM TRAPS

BRASS TRAP SCREWS, ORDINARY FINISH

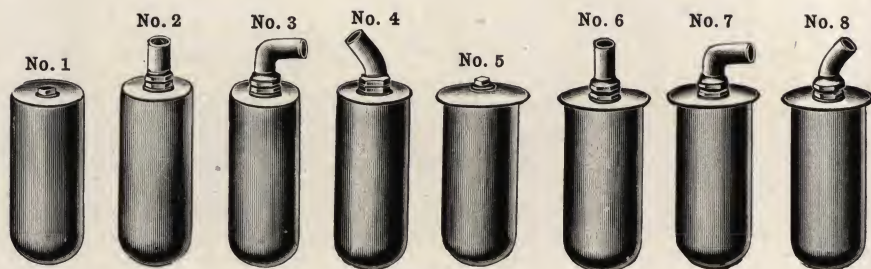


Plate 1830-H

Number.....	1	2	3and4	5	5½	6	7and8
Outside Diameter of Cap .....inches	4⅛	4⅛	4⅛	4½	5	4½	4½
Price, 4x 8 inches, Standard Weight ..each	1.90	2.60	3.00	2.00	2.10	2.80	3.20
" 4x 9 " " " " " "	2.02	2.72	3.12	2.12	2.22	2.92	3.32
" 4x10 " " " " " "	2.10	2.80	3.20	2.20	2.30	3.00	3.40
" 4x11 " " " " " "	2.18	2.88	3.28	2.28	2.38	3.08	3.48
" 4x12 " " " " " "	2.25	2.95	3.35	2.35	2.45	3.15	3.55
" 4x14 " " " " " "	2.55	3.25	3.65	2.65	2.75	3.45	3.85
" 5x10 " " " " " "	3.00	3.70	4.10	3.10	3.20	3.90	4.30
" 5x11 " " " " " "	3.15	3.85	4.25	3.25	3.35	4.05	4.45
" 5x12 " " " " " "	3.30	4.00	4.40	3.40	3.50	4.20	4.60
" 6x10 " " " " " "	3.55	4.25	4.65	3.65	3.75	4.45	4.85
" 6x11 " " " " " "	3.75	4.45	4.85	3.85	3.95	4.65	5.05
" 6x12 " " " " " "	3.90	4.60	5.00	4.00	4.10	4.80	5.20
" 4x 8 " Special " " " "	2.05	2.75	3.15	2.15	2.25	2.95	3.35
" 4x 9 " " " " " "	2.18	2.88	3.28	2.28	2.38	3.08	3.48
" 4x10 " " " " " "	2.27	2.97	3.37	2.37	2.47	3.17	3.57
" 4x11 " " " " " "	2.37	3.07	3.47	2.47	2.57	3.27	3.67
" 4x12 " " " " " "	2.45	3.15	3.55	2.55	2.65	3.35	3.75
" 4x14 " " " " " "	2.75	3.45	3.85	2.85	2.95	3.65	4.05
" 4x 8 " Extra Heavy " " " "	2.40	3.10	3.50	2.50	2.60	3.30	3.70
" 4x 9 " " " " " "	2.50	3.20	3.60	2.60	2.70	3.40	3.80
" 4x10 " " " " " "	2.63	3.33	3.73	2.73	2.83	3.53	3.93
" 4x11 " " " " " "	2.75	3.45	3.85	2.85	2.95	3.65	4.05
" 4x12 " " " " " "	2.90	3.60	4.00	3.00	3.10	3.80	4.20
" 4x14 " " " " " "	3.30	4.00	4.40	3.40	3.50	4.20	4.60
" 5x10 " " " " " "	3.40	4.10	4.50	3.50	3.60	4.30	4.70
" 5x11 " " " " " "	3.55	4.25	4.65	3.65	3.75	4.45	4.85
" 5x12 " " " " " "	3.70	4.40	4.80	3.80	3.90	4.60	5.00
" 6x10 " " " " " "	4.15	4.85	5.25	4.25	4.35	5.05	5.45
" 6x11 " " " " " "	4.35	5.05	5.45	4.45	4.55	5.25	5.65
" 6x12 " " " " " "	4.60	5.30	5.70	4.70	4.80	5.50	5.90
Extra for Polished or Nickel-plated Trap Screws .....	.20	.30	.30	.20	.25	.30	.30
Trap Screws only, Ordinary Finish ..	1.00	1.70	2.10	1.10	1.20	1.90	2.30
" " " " Nickel-plated ..	1.20	2.00	2.40	1.30	1.45	2.20	2.60

RUMSEY'S LEAD BENDS

LONG



Plate 1838-H

REGULAR

SHORT



Plate 1839-H

Description.....	STANDARD					SPECIAL (MEDIUM)			EXTRA HEAVY				
Weight, per foot...pounds	1½	2¼	3¼	5	6	2	3	4	2½	3½	4½	6	8
Size.....inches	1¼	1½	2	3	4	1¼	1½	2	1¼	1½	2	3	4
Price, Long.....each	.30	.50	.78	1.39	1.95	.41	.66	1.00	.50	.79	1.05	1.60	2.40
“ Short.....“	.25	.38	.57	1.09	1.50	.31	.51	.69	.34	.62	.80	1.21	1.84

EXTENSION

LONG

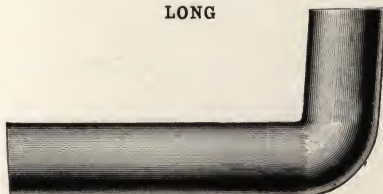


Plate 1840-H

SHORT

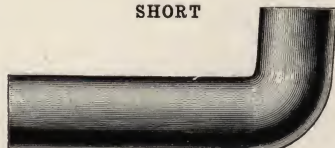


Plate 1841-H

Description.....	STANDARD					SPECIAL (MEDIUM)			EXTRA HEAVY				
Weight, per foot...pounds	1½	2¼	3¼	5	6	2	3	4	2½	3½	4½	6	8
Size.....inches	1¼	1½	2	3	4	1¼	1½	2	1¼	1½	2	3	4
Long Inlet, 12-inch Outlet, each	.46	.67	.99	1.73	2.15	.60	.89	1.24	.70	1.07	1.35	1.96	2.62
“ “ 15 “ “ “	.54	.77	1.14	1.99	2.44	.70	1.03	1.42	.82	1.24	1.56	2.25	2.98
“ “ 18 “ “ “	.62	.88	1.29	2.24	2.73	.80	1.17	1.61	.94	1.41	1.76	2.54	3.34
“ “ 20 “ “ “	.67	.95	1.39	2.42	2.92	.87	1.26	1.74	1.02	1.52	1.90	2.74	3.58
Short “ 12 “ “ “	.40	.56	.79	1.39	1.70	.52	.75	.99	.60	.90	1.08	1.57	2.09
“ “ 15 “ “ “	.47	.67	.94	1.65	2.00	.62	.89	1.17	.72	1.07	1.28	1.87	2.45
“ “ 18 “ “ “	.55	.77	1.09	1.90	2.30	.72	1.03	1.36	.84	1.24	1.49	2.16	2.81
“ “ 20 “ “ “	.60	.84	1.19	2.07	2.48	.79	1.12	1.49	.92	1.35	1.63	2.35	3.04

EXTRAS ON LONG AND SHORT EXTENDED BENDS

Description.....	STANDARD					SPECIAL (MEDIUM)			EXTRA HEAVY				
Size.....inches	1¼	1½	2	3	4	1¼	1½	2	1¼	1½	2	3	4
Price for Each inch of Excess Length over Listed Sizes, add to List of Nearest Listed Size .....	.03½	.04½	.06½	.10½	.12	.04½	.06	.7½	.05	.07	.08½	.12	.15

Short inlet-ends are the same dimensions as inlets on short bends of corresponding size. Long inlet-ends are the same as on long bends.

RUMSEY'S COMBINATION FERRULES, ETC.

LONG



Plate 1842-H

SHORT



Plate 1843-H

STANDARD

Length.....inches	4	4½	5	6	8	10	12
Price, 1¼-inch, for 2-inch Cast Iron Pipe, each	....	.28	.36	.43	.51	.60	.67
" 1½ " " 2 " " " " "	....	.28	.36	.43	.51	.60	.67
" 2 " " 2 " " " " "	.28	....	.41	.46	.57	.67	.76
" 3 " " 3 " " " " "	.42	....	.60	.67	.82	.98	1.10
" 4 " " 4 " " " " "	.50	....	.72	.85	1.02	1.25	1.40

Length.....inches	14	16	18	20	24	30	36
Price, 1½-inch, for 2-inch Cast Iron Pipe, each	.80	.90	1.00	1.10	1.30	....	....
" 2 " " 2 " " " " "	.80	.86	.92	1.00	1.15	1.40	1.65
" 3 " " 3 " " " " "	1.15	1.22	1.30	1.40	1.60	2.00	2.30
" 4 " " 4 " " " " "	1.60	1.73	1.85	2.10	2.30	2.75	3.25

EXTRA HEAVY

Length.....inches	4	4½	5	6	8	10	12
Price, 1½-inch, for 2-inch Cast Iron Pipe, each	....	.38	.44	.52	.61	.72	.80
" 2 " " 2 " " " " "	.42	....	.49	.54	.67	.81	.93
" 3 " " 3 " " " " "	.55	....	.75	.84	1.00	1.18	1.35
" 4 " " 4 " " " " "	.70	....	.84	.94	1.23	1.45	1.67

Length.....inches	14	16	18	20	24	30	36
Price, 1½-inch, for 2-inch Cast Iron Pipe, each	1.15	1.30	1.45	1.60	1.90	....	....
" 2 " " 2 " " " " "	1.10	1.23	1.36	1.49	1.75	2.20	2.60
" 3 " " 3 " " " " "	1.46	1.63	1.80	1.97	2.33	2.90	3.40
" 4 " " 4 " " " " "	2.00	2.21	2.45	2.70	3.16	3.76	4.36

Size.....inches	2	3	4
For Brass Thimbles, add to list.....each	.25	.50	.75

COMBINATION BENDS AND FERRULES

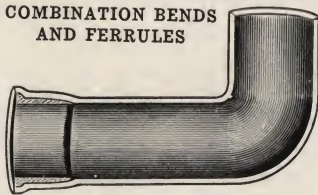


Plate 1844-H

STANDARD

Length.....inches	12	13	14	15	16	17	18	19	20
Price, 4-inch, Short Inlet, (5½-inches), each	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00
" 4 " Long " (9¾ ") "	2.65	2.75	2.85	2.94	3.04	3.14	3.23	3.33	3.42

EXTRA HEAVY

Length.....inches	12	13	14	15	16	17	18	19	20
Price, 4-inch, Short Inlet, (5½-inches), each	2.59	3.71	2.83	2.95	3.07	3.19	3.31	3.43	3.54
" 4 " Long " (9¾ ") "	3.12	3.24	3.36	3.48	3.60	3.72	3.84	3.96	4.08

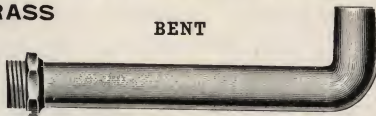
RUMSEY'S COMBINATION SOLDERING NIPPLES**LEAD AND BRASS****STRAIGHT****BENT**

Plate 1845-H

STRAIGHT, STANDARD

Plate 1846-H

Length	inches	4	5	6	8	10	12	14
Price, 1 $\frac{1}{4}$ -inch, for 1 $\frac{1}{4}$ -inch Iron Pipe	each	.39	.42	.44	.52	.58	.63	.73
" 1 $\frac{1}{2}$ " " 1 $\frac{1}{2}$ " " "	"	.48	.55	.60	.66	.74	.80	.93
" 2 " " 2 " " "	"	.72	.81	.86	.96	1.08	1.17	1.37
" 3 " " 3 " " "	"	1.26	1.43	1.50	1.67	1.86	2.00	2.27
" 4 " " 4 " " "	"	1.63	1.84	1.95	2.13	2.36	2.53	2.93

Length	inches	16	18	20	24	30	36	....
Price, 1 $\frac{1}{4}$ -inch, for 1 $\frac{1}{4}$ -inch Iron Pipe	each	.78	.83	.90	1.00	1.20	1.30	....
" 1 $\frac{1}{2}$ " " 1 $\frac{1}{2}$ " " "	"	1.00	1.07	1.15	1.30	1.48	1.65	....
" 2 " " 2 " " "	"	1.47	1.56	1.68	1.87	2.27	2.58	....
" 3 " " 3 " " "	"	2.41	2.56	2.70	3.00	3.53	4.00	....
" 4 " " 4 " " "	"	3.10	3.27	3.45	3.80	4.35	4.92	....

STRAIGHT, EXTRA HEAVY

Length	inches	4	5	6	8	10	12	14
Price, 1 $\frac{1}{4}$ -inch, for 1 $\frac{1}{4}$ -inch Iron Pipe	each	.41	.45	.48	.56	.64	.71	.79
" 1 $\frac{1}{2}$ " " 1 $\frac{1}{2}$ " " "	"	.51	.56	.60	.71	.82	.92	1.04
" 2 " " 2 " " "	"	.79	.85	.90	1.04	1.18	1.31	1.47
" 4 " " 4 " " "	"	1.70	1.95	2.15	2.35	2.55	2.75	3.15

Length	inches	16	18	20	24	30	36	....
Price, 1 $\frac{1}{4}$ -inch, for 1 $\frac{1}{4}$ -inch Iron Pipe	each	.86	.93	1.00	1.15	1.37	1.60	....
" 1 $\frac{1}{2}$ " " 1 $\frac{1}{2}$ " " "	"	1.14	1.24	1.34	1.55	1.85	2.15	....
" 2 " " 2 " " "	"	1.60	1.72	1.85	2.12	2.52	2.92	....
" 4 " " 4 " " "	"	3.35	3.55	3.75	4.25	4.75	5.70	....

BENT, STANDARD

Length of Outlet	inches	12 or less	13	14	15	16	17	18	19	20
Price, 1 $\frac{1}{4}$ -inch Long Inlet	each	.85	.88	.92	.93	.96	1.00	1.01	1.04	1.06
" 1 $\frac{1}{2}$ " " " " "	"	1.15	1.20	1.24	1.25	1.30	1.34	1.36	1.41	1.43
" 2 " " " " "	"	1.71	1.77	1.84	1.86	1.92	1.99	2.01	2.07	2.11
" 3 " " " " "	"	2.99	3.10	3.21	3.25	3.36	3.47	3.50	3.61	3.68
" 4 " " " " "	"	3.78	3.90	4.02	4.07	4.19	4.31	4.36	4.48	4.55
" 1 $\frac{1}{4}$ " Short " " "	"	.79	.82	.86	.86	.89	.93	.94	.97	.99
" 1 $\frac{1}{2}$ " " " " "	"	1.04	1.09	1.13	1.15	1.20	1.24	1.25	1.30	1.32
" 2 " " " " "	"	1.51	1.57	1.64	1.66	1.72	1.79	1.81	1.87	1.91
" 3 " " " " "	"	2.65	2.76	2.87	2.91	3.02	3.13	3.16	3.27	3.33
" 4 " " " " "	"	3.33	3.45	3.57	3.63	3.75	3.87	3.93	4.05	4.11

BENT, EXTRA HEAVY

Length of Outlet	inches	12 or less	13	14	15	16	17	18	19	20
Price, 1 $\frac{1}{4}$ -inch Long Inlet	each	1.09	1.14	1.19	1.21	1.26	1.31	1.33	1.38	1.41
" 1 $\frac{1}{2}$ " " " " "	"	1.55	1.62	1.69	1.72	1.79	1.86	1.89	1.96	2.00
" 2 " " " " "	"	2.07	2.16	2.24	2.28	2.37	2.45	2.48	2.56	2.62
" 3 " " " " "	"	3.22	3.34	3.46	3.51	3.63	3.75	3.80	3.92	4.00
" 4 " " " " "	"	4.25	4.40	4.55	4.61	4.76	4.91	4.97	5.12	5.21
" 1 $\frac{1}{4}$ " Short " " "	"	.99	1.04	1.09	1.11	1.16	1.21	1.23	1.28	1.31
" 1 $\frac{1}{2}$ " " " " "	"	1.38	1.45	1.52	1.55	1.62	1.69	1.72	1.79	1.83
" 2 " " " " "	"	1.80	1.89	1.97	2.00	2.09	2.17	2.21	2.30	2.35
" 3 " " " " "	"	2.83	2.95	3.07	3.13	3.25	3.37	3.42	3.54	3.61
" 4 " " " " "	"	3.72	3.87	4.02	4.08	4.23	4.38	4.44	4.59	4.67

CAST IRON TRAPS

"S" TRAPS

WITH BELL END

WITH SLIP JOINT NUT

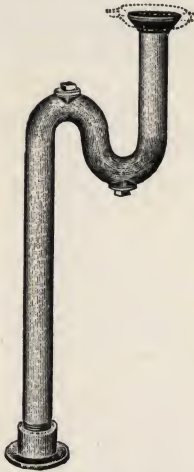


Plate 1847-H

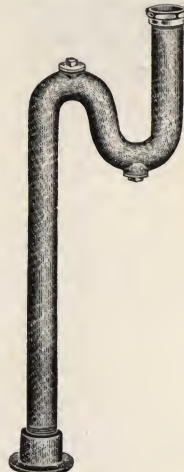


Plate 1848-H

Size	inches	1 1/4	1 1/2
Price, Painted, with Bell End	each	1.50	2.00
" " Threaded both Ends	"	1.50	2.00
" " with Nickel-plated Slip Joint Nut	"	1.75	2.30
" " " Basin Plug	"	2.25	2.85
Add for Galvanized or White Enamel	"	.75	.90
" " Vent	"	.55	.55
" " I. P. Sink Collar	"	.25	.25

"P" TRAPS

WITH BELL END

WITH SLIP JOINT

WITH I. P. ENDS

WITH LONG OUTLET
AND DOUBLE CLEANOUT

Plate 1849-H



Plate 1850-H



Plate 1851-H

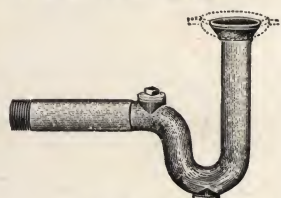


Plate 1852-H

Size	inches	1 1/4	1 1/2
Price, Painted, with Bell End	each	.75	1.00
" " Slip Joint Nut	"	1.00	1.30
" " Threaded Ends	"	.75	1.00
Add for Galvanized or White Enamel	"	.40	.50
" " Double Cleanout	"	.35	.35
Price, Painted, with P. O. Basin Plug	"	1.50	1.85
" " Long Outlet and Double Cleanout	"	1.50	2.00
Add for Galvanized or White Enamel	"	.75	.90

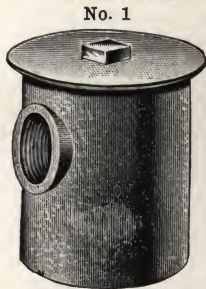
CAST IRON TRAPS**DRUM TRAPS
WITH NICKEL-PLATED BRASS PROJECTING FLANGE COVERS**

Plate 1853-H

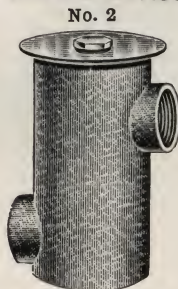


Plate 1854-H

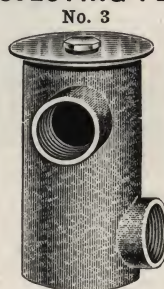


Plate 1855-H

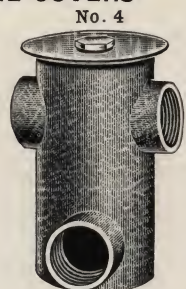


Plate 1856-H

No. 1—4¼-IN. DIAM., 5¼ IN. HIGH**Nos. 2 TO 4**

Size, Threaded Inlet.....inches	1¼	1½	Size of Body.....inches	4x8½	4x10
Price, Painted.....each	2.25	2.25	Price, No. 2.....each	2.50	2.75
Add for Galvanized....."	1.00	1.00	" " 3....."	2.50	2.75
" " N. P. Slip Joint			" " 4....."	2.75	3.00
Sleeve 5 inches Long....."	.70	.85	Add for Galvanized....."	1.00	1.25
.....	.....	.....	Add for N. P. Extension Floor Flange. "	1.25	1.25

Nos. 2 to 4 traps are threaded for 3-inch iron pipe to receive 3-inch plug for testing purposes.

WITH NICKEL-PLATED BRASS COVERS AND INLET CONNECTIONS

Plate 1857-H



Plate 1858-H



Plate 1859-H



Plate 1860-H

Price, No. 5, Waste, 1½-in. I. P., Tail Piece for 1¼, 1⅜ or 1½-in. Connected Waste and Overflow .. each	2.50
" " 6, Waste and Vent, 1½-in. I. P., Tail Piece for 1¼, 1⅜ or 1½-in. Connected Waste and Overflow "	2.75
" " 7, " " 1½ " " " " 1¼, 1⅜ " " " " " " " "	3.00
" " 8, " " 1½ " " " " 1¼, 1⅜ " " " " " " " "	3.25

FLASK TRAPS

Size	inches	1¼	1½
Price, Painted	each	1.00	1.50
" Galvanized or White Enamel.....	"	1.50	2.25
Add for Slip Joint Nut.....	"	.25	.30
" " P. O. Basin Plug.....	"	.75	.75
" " Vent.....	"	.50	.50

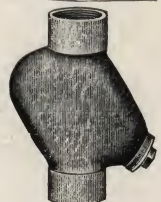


Plate 1861-H

CAST IRON SOIL PIPE

FIVE-FOOT LENGTHS

SINGLE HUB



Plate 1900-H

Size	inches	2	3	4	5	6	8	10	12
Price, Standard	per length	1.30	1.75	2.30	2.90	3.50	7.00	12.00	15.00
" Extra Heavy.....	"	2.00	3.10	4.20	5.50	6.50	11.00	18.00	22.00

DOUBLE HUB

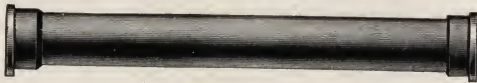


Plate 1901-H

Size.....	inches	2	3	4	5	6	8	10	12
Price, Standard.....	per length	1.40	1.85	2.40	3.10	3.70	8.00	13.00	16.00
" Extra Heavy....	"	2.10	2.35	4.40	5.70	6.80	12.00	19.00	23.00

APPROXIMATE WEIGHTS OF SOIL PIPE AND FITTINGS

Style	STANDARD												EXTRA HEAVY											
Size	inches	2	3	4	5	6	8	10	12	2	3	4	5	6	8	10	12							
Pipe, lbs.....	per length	18	26	35	45	55	85	115	165	27 $\frac{1}{2}$	47 $\frac{1}{2}$	65	85	100	170	225	270							
Quarter Bends, lbs. .	each	4 $\frac{1}{2}$	7	10 $\frac{1}{2}$	13	16 $\frac{1}{2}$	33	54	58 $\frac{1}{2}$	6 $\frac{3}{4}$	10 $\frac{1}{2}$	15	19	23 $\frac{1}{2}$	52	80	95							
Sixth " " " "	"	4	6 $\frac{1}{2}$	9	11 $\frac{1}{2}$	14	30	30	48	6	9 $\frac{1}{4}$	13	16 $\frac{3}{4}$	20	44	50	90							
Eighth " " " "	"	3 $\frac{1}{2}$	6	8	10 $\frac{1}{2}$	13	24	38	42 $\frac{1}{2}$	5 $\frac{1}{2}$	8 $\frac{1}{2}$	12 $\frac{1}{2}$	15 $\frac{1}{2}$	18 $\frac{1}{2}$	40	56	80							
"T" Branch, " " " "	"	7	11	14 $\frac{1}{2}$	18 $\frac{1}{2}$	23	33	42	102	10 $\frac{1}{2}$	15 $\frac{1}{4}$	21	26 $\frac{1}{2}$	32 $\frac{1}{2}$	60	75	166							
San. "T" Branch, " " " "	"	7 $\frac{1}{2}$	12	16	20	24	49	100	...	11	16 $\frac{1}{2}$	22 $\frac{1}{2}$	28	34 $\frac{1}{2}$	80	135	210							
Crosses, " " " "	"	9 $\frac{1}{2}$	14	19	23 $\frac{1}{2}$	28 $\frac{1}{2}$	40	70	100	13 $\frac{1}{4}$	19 $\frac{3}{4}$	27	33 $\frac{1}{2}$	40 $\frac{1}{2}$	92	116	176							
San. Cross, " " " "	"	10 $\frac{1}{2}$	15 $\frac{1}{2}$	20 $\frac{1}{2}$	25 $\frac{1}{2}$	31 $\frac{1}{2}$	52	...	...	14 $\frac{1}{2}$	22	29 $\frac{1}{2}$	36 $\frac{1}{2}$	44 $\frac{1}{2}$	79	161	...							
"Y" Branch, " " " "	"	7 $\frac{1}{2}$	12	17	22	28	58	106	158	11	17	24	31 $\frac{1}{2}$	39 $\frac{1}{2}$	91	136	218							
Half "Y" Branch, " " " "	"	7	11	15	19	24	...	...	...	10 $\frac{1}{4}$	15 $\frac{1}{2}$	21 $\frac{1}{2}$	27 $\frac{1}{2}$	34	90	...	...					
Double " " " "	"	10 $\frac{1}{2}$	16	22 $\frac{1}{2}$	30	36 $\frac{1}{2}$	77	121	...	14 $\frac{3}{4}$	23	32	41	52	100	153	266							
Double Hubs, " " " "	"	4	5 $\frac{3}{4}$	7 $\frac{1}{2}$	9	10 $\frac{1}{2}$	16	21	35	5 $\frac{3}{4}$	8 $\frac{1}{4}$	10 $\frac{3}{4}$	12 $\frac{3}{4}$	14 $\frac{3}{4}$	30	35	45							
"S" Traps, " " " "	"	8 $\frac{1}{2}$	14	21	28 $\frac{1}{2}$	37 $\frac{1}{2}$	94	...	...	12	20	30	40 $\frac{1}{2}$	53 $\frac{1}{2}$	123	...	...					
"P" " " " "	"	7	12	17 $\frac{1}{2}$	24 $\frac{1}{2}$	31 $\frac{1}{2}$	80	...	...	10 $\frac{1}{2}$	17 $\frac{1}{2}$	25 $\frac{1}{2}$	34 $\frac{1}{2}$	45	100	...	...					
Rung Traps, " " " "	"	8 $\frac{1}{2}$	13 $\frac{1}{2}$	19 $\frac{1}{2}$	26	34	54	...	...	11 $\frac{3}{4}$	19	27 $\frac{1}{2}$	37	48	110	...	...					
Reducers, " " " "	"	...	4 $\frac{1}{2}$	6	7 $\frac{1}{2}$	9	8	21 $\frac{1}{2}$	28	...	6 $\frac{1}{4}$	8 $\frac{1}{2}$	10 $\frac{3}{4}$	12 $\frac{3}{4}$	15	28 $\frac{1}{2}$	48							

To determine the right or left-hand inlet or outlet in bends, branches and offsets, place them with the hub facing toward you and with spigot lower than hub. On traps, place in regular position with the hub end nearest you.

Long quarter bends are measured from the inside of hub nearest spigot to end of spigot. Other bends are measured from end of spigot to nearest point on inside base of hub. Long T's, Y's, etc., are measured from the base of the hub on main to the end of spigot.

Standard will be shipped unless extra heavy is specified.

CAST IRON SOIL PIPE FITTINGS

QUARTER BEND



Plate 1902-H

FIFTH BEND



Plate 1903-H

SIXTH BEND



Plate 1904-H

EIGHTH BEND



Plate 1905-H

SIXTEENTH BEND



Plate 1906-H

QUARTER, FIFTH, SIXTH, EIGHTH AND SIXTEENTH BENDS

Size .....inches	2	3	4	5	6	8	10	12
Price, Quarter Bend, Standard .....each	.40	.55	.70	1.05	1.30	4.00	5.90	8.65
" Fifth " " "	.45	.80	.80	1.05	1.30	4.00	5.90	....
" Sixth " " "	.40	.60	.60	1.05	1.30	4.00	5.90	8.65
" Eighth " " "	.35	.45	.60	.80	1.05	4.00	5.90	8.65
" Sixteenth " " "	.35	.50	.60	.80	1.00	4.00	5.90	8.65
" Quarter " Extra Heavy "	.55	.70	.85	1.25	1.55	5.00	6.50	10.80
" Fifth " " " "	.60	1.00	1.00	1.25	1.55	5.00	....	....
" Sixth " " " "	.45	.75	.75	1.25	1.55	5.00	6.50	10.80
" Eighth " " " "	.40	.55	.75	1.00	1.25	5.00	6.50	10.80
" Sixteenth " " " "	.40	.70	.70	1.00	1.25	5.00	6.50	10.80

SIDE INLET



Plate 1907-H

Right-Hand
Side Inlet

QUARTER BENDS WITH INLETS

HEEL INLET

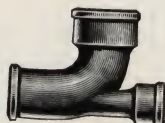


Plate 1908-H



Plate 1909-H

SIDE INLET AND HEEL INLET

Size .....inches	2	3	3	4	4	4	5	5	5	6	6	6
Size of Inlet.inches	2	2	3	2	3	4	2	3	4	2	3	4
Price, Standard .....each	1.25	1.25	....	1.25	....	....	3.70	....	....	4.30	....	....
" Extra Heavy... "	1.55	1.55	1.55	1.55	3.85	3.85	4.60	4.60	4.60	5.40	5.40	5.40

QUARTER BEND



Plate 1910-H

DOUBLE HUB

EIGHTH BEND



Plate 1911-H

SIXTEENTH BEND



Plate 1912-H

QUARTER, EIGHTH AND SIXTEENTH BENDS

Size.....inches	2	3	4	5	6
Price, Standard .....each	.75	.95	1.20	1.85	2.45
" Extra Heavy..... "	.90	1.15	1.40	2.30	3.05

Special fittings not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS

LONG QUARTER
BEND

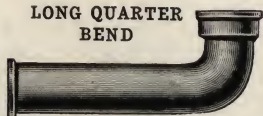


Plate 1913-H

LONG EIGHTH
BEND

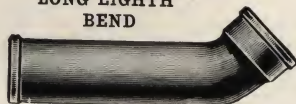


Plate 1914-H

LONG QUARTER AND EIGHTH BENDS

Size	inches	2	2	3	4	4	4
Length in Clear	inches	12	18	18	12	18	24
Price, Standard	each	.90	1.05	1.85	1.25	1.50	2.75
" Extra Heavy	"	1.10	1.30	2.30	1.55	1.85	3.40

SANITARY LONG SWEEP BEND

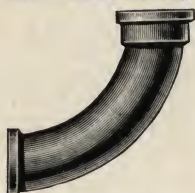


Plate 1915-H

DOUBLE QUARTER BEND

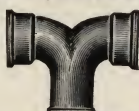


Plate 1916-H

"T" BRANCH

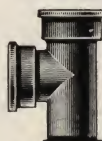


Plate 1917-H

"T" BRANCH
R. H. SIDE INLET



Plate 1918-H

SANITARY LONG SWEEP BENDS

Size	inches	2	3	4	5	6
Price, Sanitary Long Sweep Bends, Standard...	each	.75	.95	1.25	1.70	2.75
" " " " " Extra Heavy ...	"	.90	1.15	1.55	2.00	3.40

DOUBLE QUARTER BENDS

Size	inches	2x2	4x4
Price, Double Quarter Bends, Standard...	each	1.50	2.80
" " " " " Extra Heavy	"	1.85	3.45

"T" BRANCHES

Size	inches	2x2	3x2	3x3	4x2	4x3	4x4
Price, Standard	each	.55	.75	.85	.85	1.00	1.00
" Extra Heavy	"	.75	.90	1.10	1.10	1.25	1.40
Size	inches	5x2	5x3	5x4	5x5	6x2	6x3
Price, Standard	each	1.20	1.25	1.40	1.65	1.80	1.80
" Extra Heavy	"	1.45	1.55	1.70	2.00	2.15	2.15
Size	inches	6x4	6x5	6x6	8	10	12
Price, Standard	each	1.80	2.00	2.00	6.00	10.80	15.10
" Extra Heavy	"	2.15	2.45	2.45	9.00	15.10	19.40

Price extra for brass trap screws, 2.50.

"T" BRANCHES, SIDE INLET

Size of Inlet	inches	2	3	4	5	6
Price, Extra for Inlets to be added to above List of "T" Branches. . .	each	1.00	1.25	1.50	2.00	2.50

CAST IRON SOIL PIPE FITTINGS

"T" BRANCH
TAPPED FOR IRON PIPE



Plate 1919-H

SANITARY
"T" BRANCH



Plate 1920-H

SANITARY
"T" BRANCH
R. H. SIDE INLET

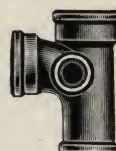


Plate 1921-H

"T" BRANCHES, TAPPED FOR IRON PIPE

Size.....inches	2	3	4
Thread.....inches	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2
Price, Standard.....each	.70	.85	1.00
" Extra Heavy....."	.85	1.10	1.25

SANITARY "T" BRANCHES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x3	5x4
Price, Standard.....each	.55	.75	.85	.85	1.00	1.00	1.20	1.25	1.40
" Extra Heavy.. "	.75	.90	1.10	1.10	1.25	1.40	1.45	1.55	1.70
Size.....inches	5x5	6x2	6x3	6x4	6x5	6x6	8	10	12
Price, Standard.....each	1.65	1.80	1.80	1.80	2.00	2.00	6.00	10.80	....
" Extra Heavy....."	2.00	2.15	2.15	2.15	2.45	2.45	9.00	15.10	19.40

Price extra for brass trap screws, 2.50.

SANITARY "T" BRANCHES, SIDE INLET

Size of Inlet.....inches	2	3	4	5	6
Extra for Inlets to be added to above List of Sanitary "T" Branches, each	1.00	1.25	1.50	2.00	2.50

SANITARY "T" BRANCH
TAPPED FOR IRON PIPE

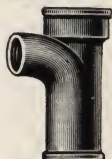


Plate 1922-H

LONG SANITARY "T" BRANCH

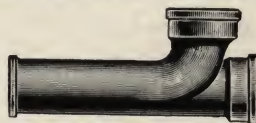


Plate 1923-H

SANITARY "T" BRANCHES, TAPPED FOR IRON PIPE

Size.....inches	2	4
Thread.....inches	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2
Price, Standard.....each	.75	1.25
" Extra Heavy....."	.90	1.55

LONG SANITARY "T" BRANCHES

Size.....inches	4x4			
Length in the Clear.....inches	18	24	30	36
Price Standard.....each	3.50	4.10	4.65	5.35
" Extra Heavy....."	4.30	5.05	5.85	6.60

Special fittings not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS

"Y" BRANCH



Plate 1924-H

HALF "Y" BRANCH



Plate 1925-H

"Y" BRANCH, SIDE INLET



Plate 1926-H

"Y" AND HALF "Y" BRANCHES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4
Price, Standard.....each	.55	.75	.85	.85	1.00	1.00
" Extra Heavy....."	.75	.90	1.10	1.10	1.25	1.40
Size.....inches	5x2	5x3	5x4	5x5	6x2	6x3
Price, Standard.....each	1.20	1.25	1.40	1.65	1.80	1.80
" Extra Heavy....."	1.45	1.55	1.70	2.00	2.15	2.15
Size.....inches	6x4	6x5	6x6	8	10	12
Price, Standard.....each	1.80	2.00	2.00	6.00	10.80	15.10
" Extra Heavy....."	2.15	2.45	2.45	9.00	15.10	19.40

Price extra for brass trap screws, 2.50.

"Y" BRANCHES, SIDE INLET

Size of Inlet.....inches	2	3	4	5	6
Price, Extra for Inlets to be added to above Lists of "Y" Branches.....each	1.00	1.25	1.50	2.00	2.50

LONG "Y" BRANCH

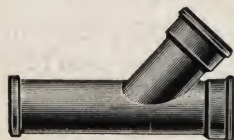


Plate 1927-H

INVERTED "Y" BRANCH



Plate 1928-H

VENTILATING BRANCH



Plate 1929-H

LONG "Y" BRANCHES

Size.....inches	4x4			
Length in the Clear.....inches	18	24	30	36
Price, Standard.....each	3.50	4.10	4.65	5.35
" Extra Heavy....."	4.30	5.05	5.85	6.60

INVERTED "Y" BRANCHES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x4	5x5	6x2	6x4	6x6
Price, Standard.....each	1.00	1.40	1.40	1.40	1.40	1.40	3.40	3.40	3.40	4.95	4.95	4.95
" Extra Heavy....."	1.25	1.85	1.85	2.15	2.15	2.15	3.05	3.85	4.60	4.60	6.15	6.15

VENTILATING BRANCHES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x4	5x5	6x2	6x4	6x6
Price, Standard.....each	.90	1.15	1.15	1.40	1.40	1.40	4.35	4.35	4.35	6.15	6.15	6.15
" Extra Heavy....."	1.10	1.40	1.40	1.85	1.85	1.85	5.40	5.40	5.40	7.70	7.70	7.70

"T" CLEANOUTS WITH HANDHOLE AND COVER

Size.....inches	2	3	4	5	6
Price, Standard.....each	1.05	1.70	1.85	2.45	3.70
" Extra Heavy....."	1.25	2.15	2.30	3.05	4.60

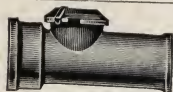


Plate 1930-H

CAST IRON SOIL PIPE FITTINGS

DOUBLE "Y" BRANCH

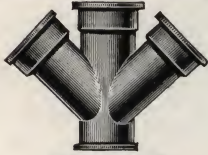


Plate 1931-H

DOUBLE HALF "Y" BRANCH

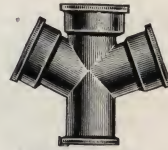


Plate 1932-H

DOUBLE AND DOUBLE HALF "Y" BRANCHES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x3	5x4
Price, Standard.....each	1.25	1.65	1.65	1.80	1.80	1.80	4.95	4.95	4.95
" Extra Heavy.. "	1.55	2.00	2.00	2.15	2.15	2.15	6.15	6.15	6.15
Size.....inches	5x5	6x2	6x3	6x4	6x5	6x6	8	10	12
Price, Standard.....each	4.95	6.15	6.15	6.15	6.15	6.15	9.00	16.20	....
" Extra Heavy.. "	6.15	7.70	7.70	7.70	7.70	7.70	13.50	22.65	29.15

Price extra for brass trap screws, 2.50.

CROSS

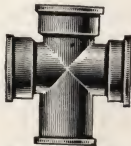


Plate 1933-H

SANITARY CROSS

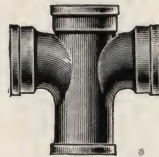


Plate 1934-H

CROSS
TAPPED FOR IRON PIPE

Plate 1935-H

CROSSES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x3	5x4
Price, Standard.....each	1.25	1.65	1.65	1.80	1.80	1.80	4.95	4.95	4.95
" Extra Heavy.. "	1.55	2.00	2.00	2.15	2.15	2.15	6.15	6.15	6.15
Size.....inches	5x5	6x2	6x3	6x4	6x5	6x6	8	10	12
Price, Standard.....each	4.95	6.15	6.15	6.15	6.15	6.15	9.00	16.20	22.70
" Extra Heavy.. "	6.15	7.70	7.70	7.70	7.70	7.70	13.50	22.65	29.15

SANITARY CROSSES

Size.....inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x3	5x4
Price, Standard.....each	1.25	1.65	1.65	1.80	1.80	1.80	4.95	4.95	4.95
" Extra Heavy.. "	1.55	2.00	2.00	2.15	2.15	2.15	6.15	6.15	6.15
Size.....inches	5x5	6x2	6x3	6x4	6x5	6x6	8	10	....
Price, Standard.....each	4.95	6.15	6.15	6.15	6.15	6.15	9.00	....	....
" Extra Heavy.. "	6.15	7.70	7.70	7.70	7.70	7.70	13.50	22.65	....

CROSSES, TAPPED FOR IRON PIPE

Size.....inches	2	3	4
Thread.....inches	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2	1 1/4, 1 1/2, 2
Price, Standard.....each	1.15	1.25	1.40
" Extra Heavy..... "	1.40	1.55	1.70

Special fittings not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS

COMBINATION "Y"
AND EIGHTH BEND

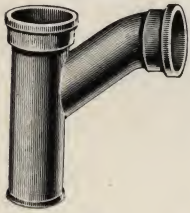


Plate 1936-H

OFFSET



Plate 1937-H

INCREASER

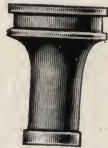


Plate 1938-H

INCREASER
TAPPED FOR
IRON PIPE



Plate 1939-H

SHORT
INCREASER
TAPPED FOR
IRON PIPE



Plate 1940-H

COMBINATION "Y" AND EIGHTH BENDS

Size	inches	2x2	3x2	3x3	4x2	4x3	4x4
Price, Standard	each	1.05	1.70	1.70	1.70	1.70	1.70
" Extra Heavy	"	1.30	2.15	2.15	2.15	2.15	2.15

OFFSETS

Size	inches	2	2	2	2	2	2
Offset	inches	2	4	6	8	10	12
Price, Standard	each	.60	.60	.75	.75	1.00	1.15
" Extra Heavy	"	.75	.75	.90	.90	1.25	1.40

Size	inches	2	2	2	3	3	3
Offset	inches	16	18	20	4	6	8
Price, Standard	each	1.35	1.70	2.00	1.00	1.10	1.25
" Extra Heavy	"	1.70	2.15	2.45	1.25	1.40	1.55

Size	inches	3	4	4	4	4	4
Offset	inches	12	2	4	6	8	10
Price, Standard	each	1.65	1.00	1.00	1.10	1.25	1.50
" Extra Heavy	"	2.00	1.25	1.25	1.40	1.55	1.85

Size	inches	4	4	4	4	5	5
Offset	inches	14	16	18	20	4	6
Price, Standard	each	1.90	2.00	2.30	2.60	2.45	2.65
" Extra Heavy	"	2.45	3.40	3.55	4.30	3.05	3.40

Size	inches	5	5	6	6	6	6
Offset	inches	12	16	4	6	8	10
Price, Standard	each	3.65	5.35	3.35	3.35	3.70	4.30
" Extra Heavy	"	4.45	6.60	4.15	4.15	4.60	5.40

INCREASERS—Hub End to Govern Price

Spigot End	inches	2	2	2	2	3	3	3	4	4	5	6	8	12
Hub End	inches	3	4	5	6	4	5	6	5	6	6	8	10	8
Price, Standard	each	.90	.90	1.25	1.85	1.85	1.85	1.85	1.85	1.85	2.45	2.00	4.35	....
" Extra Heavy	"	1.10	1.10	1.55	2.30	2.30	2.30	2.30	2.30	2.30	3.05	5.00	7.00	9.20

INCREASERS—Tapped for Iron Pipe

Size	inches	2	2	3	3	3	4	4	4	4	5	5	5
Tapped	inches	1¼	1½	1¼	1½	2	1¼	1½	2	3	1½	2	3
Price, Standard	each	....	....	....	1.40	1.40	1.50	1.50	1.50	1.85	....	2.10	2.10
" Extra Heavy .....	"	....	....	....	1.70	1.85	1.85	1.85	1.85	2.30	....	2.45	....
" Short, Standard	"	.75	.75	....	....	....	1.00	1.00	1.00	....	1.25	1.25	....
" Extra Heavy	"	.90	.90	1.10	1.10	1.10	1.25	1.25	1.25	....	1.55	1.55	....

Special fittings not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS

VENT CAP



Plate 1941-H

VENT CAP WITH SET SCREW



Plate 1942-H

SINGLE
HUB

Plate 1943-H

DOUBLE
HUB

Plate 1944-H

VENT CAPS

Size	inches	2	3	4	5	6
Price, Standard	each	.60	.70	.90	1.85	2.00

VENT CAPS WITH SET SCREW

Will fit either standard or extra heavy soil pipe. Two of the prongs are each provided with a small lug, which can be easily knocked off if cap is to be used with extra heavy pipe.

Size	inches	2	3	4	5	6
Price	each	.40	.40	.45	.50	.60

SINGLE HUBS

Size	inches	2	3	4	5	6	8	10
Price, Standard	each	.50	.65	.70	1.25	1.85	2.50	....
" Extra Heavy	"	.60	.90	.90	1.55	2.45	3.50	4.85

DOUBLE HUBS

Size	inches	2	3	4	5	6	8	10	12
Price, Standard	each	.40	.50	.60	1.00	1.15	2.50	3.80	5.40
" Extra Heavy	"	.45	.75	.75	1.25	1.55	3.50	4.85	9.20

SLEEVE



Plate 1945-H

THIMBLE



Plate 1946-H

REDUCER



Plate 1947-H

PLUG



Plate 1948-H

SLEEVES AND THIMBLES

Size	inches	2	3	4	5	6	8	10	12
Price, Standard	each	.60	.75	.75	1.25	1.85	2.50	3.80	5.40
" Extra Heavy	"	.75	.90	.90	1.55	2.30	3.50	4.85	9.20

REDUCERS

Size	inches	3x2	4x2	4x3	5x2	5x3	5x4	6x2
Price, Standard	each	.40	.40	.45	.60	.60	.60	.60
" Extra Heavy	"	.45	.45	.55	.75	.75	.75	.75
Size	inches	6x3	6x4	6x5	8x6	10x8	12x10	....
Price, Standard	each	.85	.85	.85	2.50	4.85	6.75	....
" Extra Heavy	"	1.00	1.00	1.00	4.25	6.20	10.80	....

PLUGS

Size	inches	2	3	4	5	6	8	10	12
Price, Standard	each	.25	.40	.45	.60	.75	1.20	2.15	3.25
" Extra Heavy	"	.30	.45	.60	.75	.90	1.50	3.25	4.30

CAST IRON SOIL PIPE FITTINGS

PLAIN TRAPS

FULL "S"



Plate 1949-H

THREE-QUARTER "S"



Plate 1950-H

HALF "S"

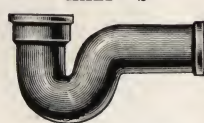


Plate 1951-H

Size.....inches	2	3	4	5	6	8
Price, Standard.....each	.90	1.15	1.50	4.30	4.95	10.00
" Extra Heavy....."	1.10	1.40	1.85	5.40	6.15	13.00

TRAPS WITH TOP VENT

FULL "S"



Plate 1952-H

THREE-QUARTER "S"



Plate 1953-H

HALF "S"

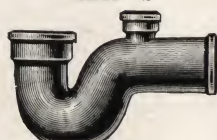


Plate 1954-H

Size.....inches	2	3	4	5	5	6	6	8
Vent.....inches	2	2	2	2	4	2	4	6
Price, Standard.....each	1.25	1.35	2.30	5.50	5.50	7.40	7.40	12.00
" Extra Heavy....."	1.55	1.70	2.75	6.90	6.90	9.25	9.25	15.00

TRAPS WITH HANDHOLE AND COVER

FULL "S"

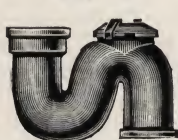


Plate 1955-H

THREE-QUARTER "S"



Plate 1956-H

HALF "S"

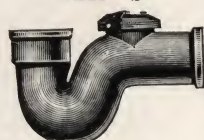


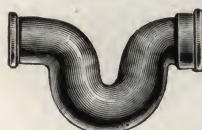
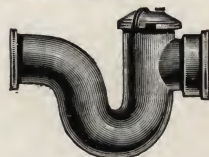
Plate 1957-H

Size.....inches	2	3	4	5	6	8
Price, Standard.....each	1.25	1.85	2.50	4.95	5.55	10.75
" Extra Heavy....."	1.55	2.30	3.10	6.15	6.90	13.75

Half "S" 4-inch standard traps also carried in stock with $\frac{1}{2}$ -inch tapping on right or left-hand side, list 3.75.

For brass trap screws on side, add 2.50 each to list.

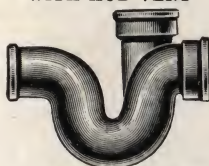
Special traps not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS**RUNNING TRAPS****WITH HANDHOLE AND COVER****PLAIN****Plate 1958-H****Plate 1959-H****PLAIN**

Size	inches	2	3	4	5	6	8
Price, Standard	each	.90	1.15	1.50	4.30	4.95	10.00
" Extra Heavy	"	1.10	1.40	1.85	5.40	6.15	13.00

WITH HANDHOLE AND COVER

Size	inches	2	3	4	5	6	8
Price, Standard	each	1.25	1.85	2.50	4.95	5.55	10.75
" Extra Heavy	"	1.55	2.30	3.10	6.15	6.90	13.75

WITH HUB VENT**Plate 1960-H****WITH DOUBLE HUB VENT****Plate 1961-H****WITH HUB VENT**

Size	inches	2	3	4	4	5	5	6
Vent	inches	2	3	2	4	4	5	4
Price, Standard	each	1.25	1.35	2.30	2.30	5.50	5.50	7.40
" Extra Heavy	"	1.55	1.70	2.75	2.75	6.90	6.90	9.25
Size	inches	6	6	8	8	10	12	12
Vent	inches	5	6	4	6	6	6	8
Price, Standard	each	....	7.40	....	12.00	19.45	....	....
" Extra Heavy	"	9.25	9.25	14.50	15.00	25.90	36.70	38.90

WITH DOUBLE HUB VENT

Size	inches	2	3	4	5	5	6	6	8	8	10	12	12
Vent	inches	2	3	4	4	5	4	6	4	6	6	6	8
Price, Standard	each	1.60	2.50	2.50	3.75	4.95	4.95	7.40	....	14.00	21.60	....	....
" Extra Heavy	"	2.75	3.10	3.10	4.60	6.15	6.15	9.20	16.00	17.00	28.10	36.70	38.90

TRAP COVERS**Plate 1962-H**

Size	inches	2	3	4	5	6	8
Price, Standard	each	.25	.30	.40	.45	.55	.90
" Extra Heavy .....	"	....	....	....	....	....	1.05

For brass trap screws on side, add 2.50 each to list.
Special traps not shown furnished to order.

CAST IRON SOIL PIPE FITTINGS

SHORT



Plate 1963-H

EXTENSION PIECES

LONG



Plate 1964-H

Size	inches	2x6	2x8	2x10	2x12	2x14	2x16
Price, Standard	each	.60	.75	.90	1.00	1.15	1.25
" Extra Heavy	"	.75	.90	1.10	1.25	1.40	1.55
Size	inches	2x18	3x6	3x8	3x10	3x12	4x4
Price, Standard	each	1.40	...	...	...	...	1.25
" Extra Heavy	"	1.70	1.25	1.40	1.55	1.85	...
Size	inches	4x6	4x8	4x10	4x12	4x14	4x16
Price, Standard	each	1.25	1.40	1.50	1.70	1.85	2.15
" Extra Heavy	"	1.55	1.70	1.85	2.00	2.30	2.60
Size	inches	4x18	5x6	5x8	5x10	5x12	...
Price, Standard	each	2.45	...	...	...	...	...
" Extra Heavy	"	3.05	2.30	2.60	2.90	3.05	...

CONNOLLY SADDLE HUBS

For Standard or Extra Heavy Pipe

"T" SADDLE HUB

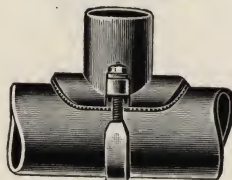


Plate 1965-H

"Y" SADDLE HUB



Plate 1966-H

Size	inches	2x2	3x2	3x3	4x2	4x4
Price, "T" Hubs, Standard	each	.75	.80	.80	.80	.90
" " " Extra Heavy	"	.95	1.00	1.00	1.00	1.10
" " " Standard	"	.80	.90	.90	.90	.95
" " " Extra Heavy	"	1.00	1.10	1.10	1.10	1.15

SISSON INSERTABLE JOINTS

With this fitting a most satisfactory connection can be made and labor and expense saved in cutting into an old stack.



Plate 1967-H



Plate 1968-H

Size	inches	2	3	4	5	6	8
Price, Standard	each	1.40	1.50	1.80	2.10	2.60	10.00
" Extra Heavy ...	"	1.50	1.70	2.00	2.30	2.80	10.00

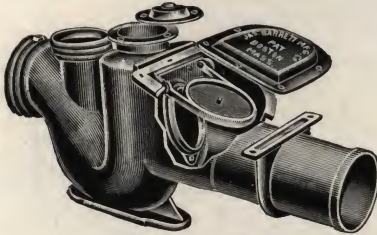
CAST IRON SOIL PIPE FITTINGS**BARRETT BACK WATER TRAP**

Plate 1969-H

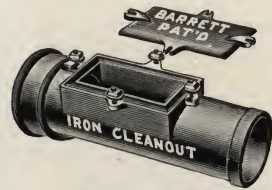
BARRETT CLEANOUT

Plate 1970-H

BARRETT BACK WATER TRAPS

Size..... inches	4	5	6	8	10	12	6-Tile Pipe	9-Tile Pipe
Price, Std. or Ex. Heavy. each	11.00	14.00	15.00	50.00	75.00	100.00	15.00	75.00

BARRETT CLEANOUTS

Size..... inches	2	3	4	5	6	8	10	12
Price, Standard each	1.00	1.35	1.75	2.75	3.75	.....	.....	.....
" Extra Heavy "	1.50	2.50	3.50	5.00	6.00	10.00	15.00	20.00

PIPE REST

Plate 1971-H

PIPE HOOK

Plate 1972-H

Size..... inches	2	3	4	5	6	8	10
Price, Pipe Rests, Standard..... each	.30	.40	.40	.75	.95	1.75	2.15
" " Extra Heavy..... "	.40	.45	.45	.90	1.15	2.25	3.25
" " Hooks "	.08	.12	.18	.29	.32	....	....

CAST IRON GRATES**BASKET PATTERN****BAR PATTERN**

Plate 1973-H

WITH ROUND HOLES

Plate 1974-H

WITH LEGS

Plate 1975-H

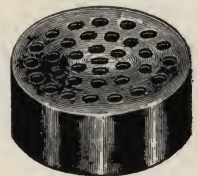


Plate 1976-H

FOR SOIL PIPE

Size of Pipe..... inches	2	3	4	5	6	8	10
Diameter of Grate..... inches	2 $\frac{5}{8}$	3 $\frac{5}{8}$	4 $\frac{5}{8}$	5 $\frac{5}{8}$	6 $\frac{3}{4}$	8 $\frac{3}{4}$	10 $\frac{3}{4}$
Price, Bar Pat. or with Rd. Holes... per pound	.10	.10	.10	.10	.10	.10	.10
" with Legs ..... "	....	....	.15	.15	.15	.15	....
" Basket Pattern "	.15	.15	.15	.15	.15	.15	.15

FOR SEWER PIPE

Size of Pipe..... inches	2	3	4	5	6	8	9	10	12
Diameter of Grate inches	3	4	5 $\frac{1}{8}$	6 $\frac{1}{4}$	7 $\frac{1}{2}$	9 $\frac{3}{4}$	10 $\frac{3}{4}$	11 $\frac{5}{8}$	14
Price, with Round Holes. per pound	.10	.10	.10	.10	.10	.10	.10	.10	.10
" " Legs ..... "	....	....	.15	.15	.15	.15	....	....	....

CAST IRON SOIL PIPE FITTINGS

CLEANOUTS

SANITARY "T" CLEANOUT
TRAP SCREW ON MAIN

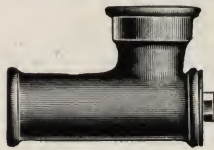


Plate 1977-H

"Y" CLEANOUT
TRAP SCREW ON MAIN

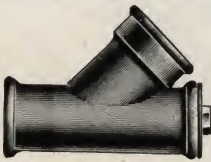


Plate 1978-H

"Y" CLEANOUT
TRAP SCREW ON
BRANCH

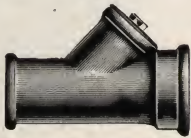


Plate 1979-H

Size.....	inches	2	3	4
Price, Standard.....	each	.90	1.40	2.10
" Extra Heavy.....	"	1.20	1.65	2.35

COMBINATION "Y" AND EIGHTH BEND
TRAP SCREW ON MAIN

"T" CLEANOUT
TRAP SCREW ON BRANCH



Plate 1980-H

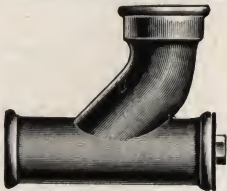


Plate 1981-H

Size.....	inches	2	3	4
Price, "T" Cleanouts, Standard.....	each	.90	1.40	2.10
" " " Extra Heavy.....	"	1.20	1.65	2.35
" Combination "Y" and Eighth Bends, Standard.....	"	1.10	1.55	2.40
" " " " " Extra Heavy.....	"	1.50	2.00	3.00

PALMER SEWER VALVES

VALVE AND SETTING

WITH HANDHOLE AND COVER

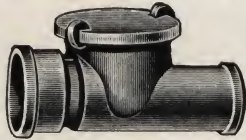


Plate 1982-H

WITH HUB

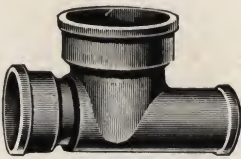


Plate 1983-H

VALVE
ONLY



Plate 1984-H

Size.....	inches	2	3	4	5	6	8	9	10	12
Price, Valve and Setting...each		6.00	6.50	7.50	9.00	10.00	15.00	....	30.00	50.00
" " only.....	"	1.00	1.20	1.60	2.00	2.40	3.80	6.00	15.00	20.00

GALVANIZED IRON SPIRAL PIPE, ETC.

GALVANIZED IRON ADJUSTABLE ELBOWS

GALVANIZED IRON SPIRAL PIPE

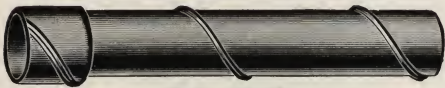


Plate 1992-H



Plate 1993-H



Plate 1994-H



Plate 1995-H

Size	inches	1½	2	2½	3	4	5	6
Price, Spiral Pipe, No. 29G	per foot	.12	.14	.17	.19	.25	.30	.38
“ Adjustable Elbows	each	.20	.20	.30	.30	.40	.55	.70

“GLOBE” VENTILATOR



Plate 1996-H

CONDUCTOR STRAINER



Plate 1997-H

“GLOBE” VENTILATORS

Size	inches	2	2½	3	4	5	6	7	8	10	12	14	16	18	20	24
Price	each	1.00	1.00	1.50	1.75	2.50	3.40	4.00	4.65	5.75	6.75	13.00	20.00	27.00	33.00	40.00

CONDUCTOR STRAINERS

Size	inches	2	3	4	5	6
Price, Galvanized	per dozen	1.50	2.00	3.00	5.00	6.00
“ Copper	“	3.75	5.00	8.25	15.00	18.00

ADJUSTABLE ROOF FLASHES

APPLIED ON PITCHED ROOF

APPLIED ON FLAT ROOF

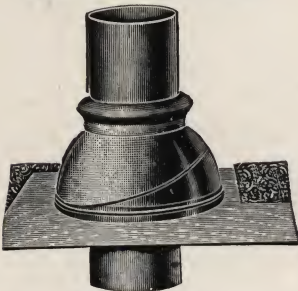


Plate 1998-H

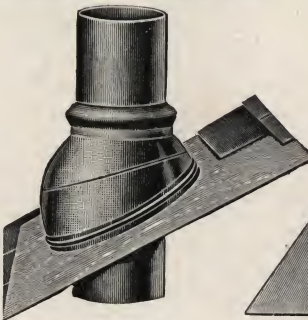


Plate 1999-H

LEAD ROOF FLASH

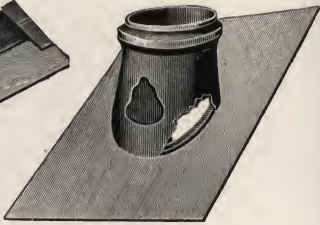


Plate 2000-H

Size	inches	1	1¼	1½	2	3	4	5	6
Price, Galvanized Steel	per dozen	.....	8.00	8.00	10.00	11.00	12.00	17.00	30.00
“ Copper .....	“	.....	15.00	15.00	17.00	19.00	20.00	27.00	40.00
“ Lead	each	1.20	1.25	1.30	1.50	1.70	1.90	2.50	4.30

CLIMAX CELLAR DRAINERS

WITHOUT AUTOMATIC
MOVEMENT

Plate 2100-H

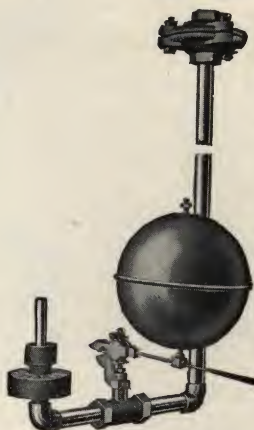
WITH AUTOMATIC
MOVEMENT

Plate 2101-H

The Climax Drainers are made for draining cellars, wheel pits, furnace pits, cesspools, foundations, etc. Also largely used for removing water from kitchens below level of sewer and removing drippings from ice boxes and for any purpose where it is necessary to remove water economically from one level to a higher one.

They will do draining of any character in as permanent and satisfactory a manner as any method one will employ at one tenth to one fifth the expense. They do away with the necessity for drain pipe, cement, etc., and as it elevates the discharge, can often be used where nothing else will serve.

In connecting up, be sure the supply pipe is free from rust and scale. The discharge pipe should be free from ells. Where bends are necessary, bend the pipe gently and evenly so as to cause as little friction as possible. The float ball lever must be adjusted to suit the pressure; the greater the pressure the greater the leverage necessary.

All working parts are heavy and made principally of brass, so as to render them durable and prevent them rusting; all other parts are of iron pipe or castings heavily galvanized.

Number.....	1	2	3	4	5	6
Supply Pipe.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Discharge Pipe "	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Capacity, per Hour .....gallons {	50 to 250	100 to 400	150 to 600	200 to 800	275 to 1000	350 to 1200
Lift .....feet	6 to 12	6 to 12	6 to 12	6 to 12	6 to 12	6 to 12
Pressure.....pounds	15 " 80	15 " 80	15 " 80	15 " 80	15 " 80	15 " 80
Price, without Automatic Movement...each	15.00	25.00	35.00	50.00	70.00	100.00
" with " " " " "	25.00	40.00	55.00	80.00	110.00	160.00

PENBERTHY CELLAR DRAINERS

AUTOMATIC



Plate 2102-H

NON-AUTOMATIC



Plate 2103-H

SHOWING INSTALLATION



Plate 2104-H

This is a water pressure ejector of high capacity, made of best bronze metal, automatically operated by a copper float controlled, quick opening and closing valve. It cannot leak, and allows the ejector to give its greatest efficiency by working to full capacity. The float arms are slotted where they connect to the valve lever. This prevents the ejector from operating until the water has raised the float to the highest point; and, as the water is ejected, the arms travel down the length of these slots before the weight of the float affects the valve. Has no leather washers to dry up and leak.

To make possible the installation of this drainer in small holes or sumps, it has been made as compact as possible. The float, instead of being round, is flat on the top, thus occupying less space than a round float. The float is built around the suction pipe. This patented feature has the added advantage of being rigid and overcomes all the trouble of the common loose float. The balance of the drainer is built directly above the float. This not only keeps the whole machine in as small a space as possible, but also keeps all working parts, with the exception of strainer, suction pipe and float, above the water. Because of this there is no chance of corrosion or of the exterior parts becoming clogged up by deposits of slime, dirt or sediment. A special strainer prevents any foreign particles from coming in contact with the interior parts. A foot valve is also provided inside the strainer, which closes the instant the drainer ceases operation, holding all the water in the pipes all primed for starting instantly at the next filling of the sump, and also preventing flooding of the cellar if for any reason the water pressure is insufficient to operate the ejector.

Number	PRICE, EACH		PIPE CONNECTIONS INCHES		DIMENSIONS OVER ALL INCHES		*Capacity Gallons per Hour
	Automatic	Non-Automatic	Supply	Discharge	Height	Diameter	
1	25.00	15.00	$\frac{1}{2}$	1	16	10	115 to 650
2	40.00	25.00	$\frac{3}{4}$	$1\frac{1}{4}$	20	12	180 " 1050
3	55.00	35.00	1	$1\frac{1}{2}$	25	15	310 " 1650
4	80.00	50.00	$1\frac{1}{4}$	2	28	16	450 " 2400
5	110.00	70.00	$1\frac{1}{2}$	$2\frac{1}{2}$	32	18	600 " 3200
6	160.00	100.00	2	3	36	20	780 " 4200
7	225.00	135.00	$2\frac{1}{2}$	$3\frac{1}{2}$	38	22	1000 " 5300
8	300.00	175.00	3	4	40	24	1250 " 6500

*Capacities given above represent actual water removed from the pit with pressure 20 to 80 pounds and 3 to 18-foot elevation.

Sizes 7 and 8 made to order only.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe 90° 45°
LONG TURN ELBOW LONG TURN ELBOW

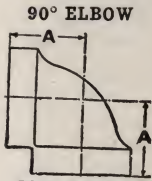


Plate 2105-H



Plate 2106-H

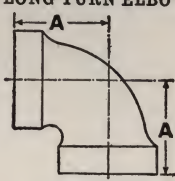


Plate 2107-H

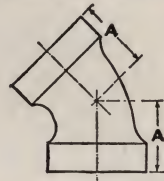


Plate 2108-H

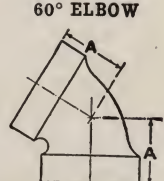


Plate 2109-H

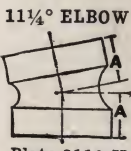


Plate 2110-H



Plate 2111-H



Plate 2112-H

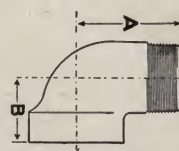


Plate 2113-H

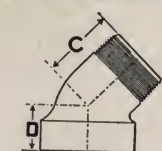


Plate 2114-H

90° AND 45° ELBOWS

Size.....inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10	12	14
Dimen. A, 90°..inches	1 3/4	2 3/16	2 3/8	2 7/16	3 1/16	3 3/16	4 1/2	5 3/16	5 9/16	6 1/2	7 3/4	9	9 3/4
" A, 45°.. "	1 3/8	1 7/8	1 3/4	2 1/8	2 3/8	2 5/8	3 3/16	3 3/2	3 7/8	4 3/16	4 7/8	5 1/2	5 7/8
Price, 90° or 45°, Blk..each	.30	.38	.57	1.20	1.45	2.30	4.25	6.25	11.50	15.00	31.00	47.50	65.00
" 90° "45°, Galv. "	.52	.67	1.00	2.10	2.55	4.00	7.40	11.00	20.00	26.25	54.00	83.00	114.00

90° drainage elbows, size 1 1/2 x 1 1/4; black, .57; galvanized, 1.00.

90° AND 45° LONG TURN ELBOWS

Size.....inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10	12	14
Dimen. A, 90°..inches	2 1/4	2 1/2	3 1/16	3 3/16	4 1/4	5 3/16	6 1/8	7 1/8	8 1/8	9	11	13	14 1/4
" A, 45°.. "	1 7/8	2 1/4	2 5/8	2 7/8	3 3/16	4 1/8	5 1/8	6 1/8	7 1/8	8 1/8	9 1/2	11 1/2	13 1/2
Price, 90° or 45°, Blk..each	*.35	.42	.65	1.40	1.75	2.75	5.25	7.50	13.50	19.00	38.00	57.50	75.00
" 90° "45°, Galv. "	*.60	.72	1.15	2.45	3.10	4.80	9.20	13.15	23.50	33.25	66.50	100.00	130.00

*45° long turn elbows not listed in 1 1/4-inch size.

60° AND 11 1/4° ELBOWS

Size.....inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10
Dimensions A, 60°..inches	1 9/16	1 3/4	2	2 1/2	2 7/8	3 3/8	3 7/8	4 3/16	4 1/2	5 3/8	6 1/4
" A, 11 1/4°.. "	1 1/2	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
Price, 60° or 11 1/4°, Blk..each	.30	.38	.57	1.20	1.45	2.30	4.25	6.25	11.50	15.00	31.00
" 60° "11 1/4°, Galv.. "	.52	.67	1.00	2.10	2.55	4.00	7.40	11.00	20.00	26.25	54.00

22 1/2° AND 5 5/8° ELBOWS

Size.....inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10	12
Dimen. A, 22 1/2°..inches	1 1/4	1 1/2	1 3/4	2	2 1/2	2 5/8	2 5/8	2 5/8	3 1/4	3 3/16	3 7/8	4 3/16
" A, 5 5/8°.. "	1 1/4	1 1/2	1 3/4	2	2 1/2	2 5/8	2 5/8	2 5/8	3 1/4	3 3/16	3 7/8	4 3/16
Price, 22 1/2°, Blk...each	.30	.38	.57	1.20	1.45	2.30	4.25	6.25	11.50	15.00	31.00	47.50
" 22 1/2°, Galv... "	.52	.67	1.00	2.10	2.55	4.00	7.40	11.00	20.00	26.25	54.00	83.00
" 5 5/8°, Blk... "	.30	.38	.57	1.20	1.45	2.30	4.25	6.25	11.50	15.00	31.00	47.50
" 5 5/8°, Galv... "	.52	.67	1.00	2.10	2.55	4.00	7.40	11.00	20.00	26.25	54.00	83.00

90° elbows and 90° long turn elbows are tapped, pitched 1/4 inch to the foot.

90° AND 45° STREET ELBOWS

Size Inches	DIMENSIONS, INCHES				PRICE, EACH	
	A	B	C	D	Black	Galvanized
1 1/2	2 5/16	1 3/16	2	1 1/4	.40	.70

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

90° LONG TURN ELBOWS, WITH CLEANOUT

90° ELBOW
SIDE OUTLET

Plate 2115-H

90° ELBOW
HEEL OUTLET

Plate 2116-H

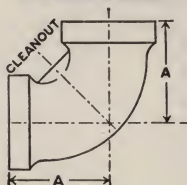


Plate 2117-H

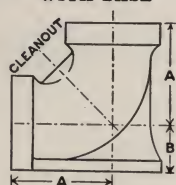


Plate 2118-H

Description	90° ELBOWS		LONG TURN ELBOWS WITH CLEANOUT	
	With Side Outlet	With Heel Outlet	Without Base	With Base
Size .....inches	4	4	4	4
Dimensions A....."	3 $\frac{3}{16}$	3 $\frac{3}{16}$	6 $\frac{1}{4}$	6 $\frac{1}{4}$
" B....."	.....	.....	2 $\frac{7}{8}$	2 $\frac{7}{8}$
Size of Outlets....."	2	2	2	2
Price, Black.....each	3.85	3.85	5.00	7.00
" Galvanized....."	6.75	6.75	8.75	12.25

THREE-WAY ELBOW

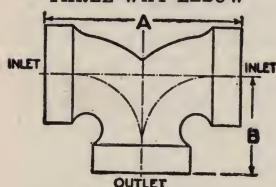


Plate 2119-H

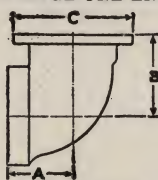
CLOSET ELBOW
FLANGE ONE END

Plate 2120-H

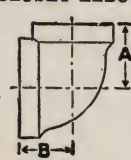
REDUCING
CLOSET ELBOW

Plate 2121-H

THREE-WAY ELBOWS

Size.....inches	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4
Dimensions A.....inches	.....	5 $\frac{1}{4}$	6 $\frac{1}{4}$	7 $\frac{3}{8}$	8 $\frac{5}{8}$	10 $\frac{3}{8}$
" B....."	.....	2 $\frac{5}{8}$	3 $\frac{1}{8}$	3 $\frac{3}{16}$	4 $\frac{5}{16}$	5 $\frac{3}{16}$
Price, Black.....each	.75	.85	1.10	2.25	3.00	5.00
" Galvanized....."	1.25	1.50	1.95	3.90	5.25	8.75
Size.....inches	4x3	5	5x4	6	6x4	6x5
Dimensions A.....inches	9 $\frac{1}{2}$	12 $\frac{1}{4}$	11 $\frac{3}{8}$	14 $\frac{1}{4}$	12 $\frac{3}{8}$	13 $\frac{3}{8}$
" B....."	4 $\frac{5}{16}$	6 $\frac{1}{8}$	5 $\frac{5}{16}$	7 $\frac{1}{8}$	5 $\frac{7}{16}$	6 $\frac{1}{4}$
Price, Black.....each	5.50	7.50	8.25	13.50	15.00	15.00
" Galvanized....."	9.65	13.15	14.50	23.50	26.25	26.25

CLOSET ELBOWS

Size.....inches	4	4x5
Dimensions A.....inches	3 $\frac{3}{16}$	4 $\frac{7}{16}$
" B....."	4 $\frac{5}{8}$	3 $\frac{3}{16}$
Diameter of Flange....."	7	.....
Price, Black.....each	4.25	4.25
" Galvanized....."	7.40	7.40

The inlets of three-way and closet elbows are tapped, pitched $\frac{1}{4}$ inch to the foot.

The inlets on reducing fittings are always the smallest openings.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

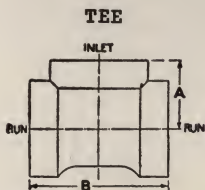
BASIN CROSS

Plate 2122-H

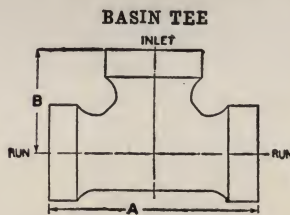


Plate 2123-H

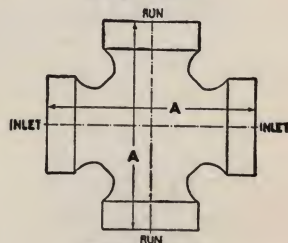


Plate 2124-H

TEES

Size	1½	2	2x1¼	2x1½	2½	2½x2	3	3x1½	3x2
Dimensions A.....inches	2⅜	2⅝	....	2¼	2⅝	....	3⅜	....	3
“ B..... “	4⅜	4⅝	....	4⅞	5⅝	....	6⅜	....	5½
Price, Black .....each	.55	.80	.90	.90	1.50	1.65	2.00	2.20	2.20
“ Galvanized ... “	1.00	1.40	1.60	1.60	2.50	2.75	3.50	3.85	3.85
Size	4	4x2	4x3	5	5x2	5x3	5x4	6	7
Dimensions A.....inches	4	3⅞	3¾	4⅝	4⅞	4⅞	....	5⅞	5⅞
“ B..... “	8	6	7	9¼	6	6⅞	....	10⅞	11⅞
Price, Black .....each	3.25	3.60	3.60	6.00	6.60	6.60	6.60	8.75	16.00
“ Galvanized ... “	5.70	6.30	6.30	10.50	11.55	11.55	11.55	15.25	28.00
Size	8	10	12	12x8	12x10	14x8	14x10	14x12	....
Dimensions A.....inches	6½	7¾	9	....	....	....	....	....	....
“ B..... “	13	15½	18	....	....	....	....	....	....
Price, Black .....each	21.00	43.00	60.00	65.00	65.00	85.00	85.00	85.00	....
“ Galvanized ... “	37.00	75.00	100.00	110.00	110.00	145.00	145.00	145.00	....

BASIN TEES

Size	1¼	1½	1½x1¼	2	2x1¼	2x1½	2½
Dimensions A.....inches	....	5⅞	5⅞	7	6¼	6½	8½
“ B..... “	....	2⅞	2⅞	3½	3⅞	3¼	4¼
Price, Black .....each	.60	.70	.77	1.10	1.20	1.20	1.75
“ Galvanized..... “	1.00	1.22	1.35	1.95	2.10	2.10	3.00

BASIN CROSSES

Size	1½	2	2x1½
Dimensions A.....inches	5⅞	7	6½
Price, Black .....each	1.50	1.75	1.95
“ Galvanized “	2.50	3.10	3.40

Inlets of tees and basin tees and crosses are tapped, pitched ¼ inch to the foot.
Inlets on reducing fittings are always the smallest opening.

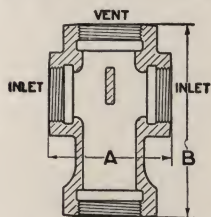


Plate 2125-H

PARTITION CROSSES

Size	1¼x1½
Dimensions A.....inches	3½
“ B..... “	5½
Price, Black .....each	1.25
“ Galvanized “	2.20

Partition crosses are made to supply a demand in certain localities but may not be passed by inspectors everywhere.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

90° "Y" BRANCH
TEE PATTERN

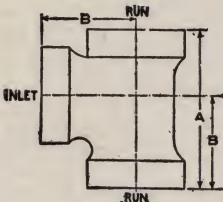


Plate 2126-H

Screwed for Wrought Pipe
REDUCING 90° "Y" BRANCH
TEE PATTERN

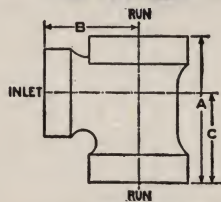


Plate 2127-H

60° "Y" BRANCH

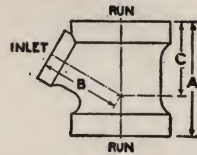


Plate 2128-H

90° "Y" BRANCHES, TEE PATTERN

Size.....inches	1	1¼	1½	2	2½	3	4	5	6	7	8	10
Dimen. A...inches	3¼	3¾	4¼	5¾	6¾	7¼	8¾	10¾	11½	13½	15½	20
" B... "	1⅝	2¼	2½	3⅞	3⅞	4¼	5¾	6⅞	7⅞	8⅞	9	11⅜
Price, Black, each	.40	.45	.57	.85	1.80	2.20	3.50	6.50	9.50	17.50	23.00	47.00
" Galv.. "	.70	.80	1.00	1.50	3.15	3.85	6.15	11.35	16.50	30.50	40.00	82.00

REDUCING 90° "Y" BRANCHES, TEE PATTERN

Size.....inches	1¼x1	1½x1	1½x1¼	2x1¼	2x1½	2½x1¼	2½x1½	2½x2
Dimensions A.....inches	.....	.....	3⅞	.....	4⅝	.....	4⅞	5½
" B..... "	.....	.....	2½	.....	2⅝	.....	3⅞	3⅝
" C..... "	.....	.....	2⅝	.....	2⅞	.....	2⅞	3¼
Price, Black.....each	.50	.63	.63	.95	.95	2.00	2.00	2.00
" Galvanized..... "	.90	1.10	1.10	1.65	1.65	3.50	3.50	3.50

Size.....inches	3x1¼	3x1½	3x2	4x1¼	4x1½	4x2	4x2½	4x3
Dimensions A.....inches	.....	5⅞	5⅞	.....	5¼	5⅞	6⅝	7⅞
" B..... "	.....	3⅞	3⅞	.....	3⅞	4⅞	4⅞	4¾
" C..... "	.....	2⅞	3⅞	.....	3	3⅞	3⅞	4⅞
Price, Black.....each	2.40	2.40	2.40	3.85	3.85	3.85	3.85	3.85
" Galvanized..... "	4.20	4.20	4.20	6.75	6.75	6.75	6.75	6.75

Size.....inches	3x4	5x1½	5x2	5x2½	5x3	5x4	6x1½	6x2
Dimensions A.....inches	8⅝	5⅞	6⅞	.....	7¾	9⅞	.....	6¼
" B..... "	5⅞	4⅞	4⅞	.....	5¼	5⅞	.....	5⅞
" C..... "	5⅞	3⅞	3⅞	.....	4½	5⅞	.....	3⅞
Price, Black.....each	3.85	7.15	7.15	7.15	7.15	7.15	10.50	10.50
" Galvanized..... "	6.75	12.50	12.50	12.50	12.50	12.50	18.50	18.50

Size.....inches	6x3	6x4	6x5	8x2	8x3	8x4	8x5	8x6
Dimensions A.....inches	7⅞	9¼	10⅞	.....	11⅞	11⅞	.....	15⅞
" B..... "	5¾	6¾	6⅝	.....	7¼	7⅞	.....	8½
" C..... "	4⅞	5⅞	6¼	.....	7⅞	7½	.....	10
Price, Black.....each	10.50	10.50	10.50	25.50	25.50	25.50	25.50	25.00
" Galvanized..... "	18.50	18.50	18.50	44.50	44.50	44.50	44.50	44.50

The inlet of 90° "Y" branches is tapped, pitched ¼ inch to the foot.

60° "Y" BRANCHES

Size.....inches	1½x1½	2x2	2x1½	3x2	4x4	4x2	5x5	5x3	6x6	6x2	8x4	8x6
Dimen. A... inches	4⅝	5½	4⅝	6⅞	9⅞	6⅞	11⅞	8½	13	.....	.....	.....
" B... "	2⅝	3¼	3⅞	4⅞	5¾	4¾	6¾	6	7⅞	.....	.....	.....
" C... "	2⅝	3¼	2⅝	3⅞	5¾	4¾	6¾	5⅞	7⅞	.....	.....	.....
Price, Black, each	.65	.95	1.05	2.90	3.85	4.25	7.10	7.80	10.50	11.50	27.50	27.50
" Galv.. "	1.15	1.65	1.85	5.10	6.75	7.40	12.50	13.65	18.50	20.00	48.00	48.00

Reducing sizes not listed take same list as reducing sizes having the same run.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

DOUBLE 90° "Y" BRANCH
TEE PATTERN

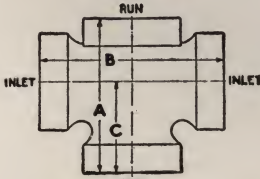


Plate 2129-H

Screwed for Wrought Pipe
DOUBLE 45° "Y" BRANCH

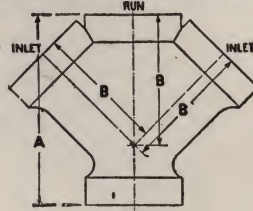


Plate 2130-H

REDUCING
DOUBLE 45° "Y" BRANCH

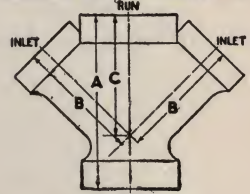


Plate 2131-H

DOUBLE 90° "Y" BRANCHES, TEE PATTERN

Size.....inches	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10
Dimensions A....inches	3 1/4	3 3/4	4 1/4	5 3/8	6 5/8	7 1/4	8 3/4	10 5/8	11 5/8	13 5/8	15 1/8	20
" B....."	3 7/8	4 1/2	5	6 1/8	7 3/8	8 1/2	10 3/8	12 7/8	14 1/4	16 1/4	18	22 3/4
" C....."	1 5/8	2 1/4	2 1/2	3 1/8	3 3/4	4 1/4	5 3/8	6 1/8	7 1/8	8 1/8	9	11 3/8
Price, Black.....each	.60	.70	.85	1.30	2.85	3.40	5.25	9.50	14.00	25.00	36.00	60.00
" Galvanized... "	1.05	1.22	1.50	2.30	5.00	5.95	9.20	16.50	24.50	42.50	62.00	102.00

REDUCING DOUBLE 90° "Y" BRANCHES, TEE PATTERN

Size.....inches	1 1/4 x 1	1 1/2 x 1 1/4	2 x 1 1/4	2 x 1 1/2	2 1/2 x 1 1/2	2 1/2 x 2	3 x 1 1/2
Dimensions A.....inches	....	3 7/8	....	4 5/8	....	5 1/2	5 1/2
" B....."	....	5	....	5 7/8	....	6 5/8	6 5/8
" C....."	....	2 3/8	....	2 1/2	....	3 1/4	2 5/8
Price, Black.....each	.77	.95	1.50	1.50	3.15	3.15	3.75
" Galvanized....."	1.35	1.65	2.60	2.60	5.50	5.50	6.55

Size.....inches	3x2	4x2	5x4	6x2	6x4	6x5	8x6
Dimensions A.....inches	5 11/16	5 5/8	9 1/8	6 1/4	9 1/4	10 9/16	15 1/16
" B....."	7 1/4	8 1/8	11 3/8	10 1/4	12 3/8	13 1/4	17
" C....."	3 5/8	3 3/8	5 3/8	3 5/8	5 1/8	6 1/4	10
Price, Black.....each	3.75	5.75	10.50	15.50	15.50	15.50	40.00
" Galvanized....."	6.55	10.00	18.50	27.00	27.00	27.00	68.00

The inlets of double 90° "Y" branches are tapped, pitched 1/4 inch to the foot.

DOUBLE 45° "Y" BRANCHES

Size.....inches	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10
Dimensions A.....inches	5	5 1/2	6 7/8	7 7/8	9	10 7/8	12 5/8	14 3/4	16 1/4	18 5/8	20
" B....."	3 1/4	3 5/8	4 5/8	5 3/8	6 3/8	7 11/16	9 3/8	10 3/4	12 1/4	13 9/16	16 1/8
Price, Black.....each	.90	1.00	1.45	3.25	4.00	5.75	10.75	16.00	28.50	38.00	78.00
" Galvanized....."	1.60	1.75	2.55	5.70	7.00	10.00	18.80	28.00	50.00	66.50	137.00

REDUCING DOUBLE 45° "Y" BRANCHES

Size.....inches	1 1/2 x 1 1/4	2 x 1 1/2	2 1/2 x 1 1/4	2 1/2 x 1 1/2	3 x 1 1/2	3x2	4x2	4x3	5x2
Dimensions A.....inches	....	5 7/8	....	6 7/8	6 5/8	7 3/8	7 9/16	9 1/4	8 1/4
" B....."	....	4 1/8	....	4 5/8	5 1/8	5 3/8	6 5/16	7 3/8	7 3/8
" C....."	....	4 1/16	....	4 9/16	4 15/16	5 5/16	6	6 7/8	6 7/8
Price, Black.....each	1.10	1.60	3.60	3.60	4.40	4.40	6.35	6.35	11.75
" Galvanized... "	1.90	2.80	6.30	6.30	7.70	7.70	11.00	11.00	20.50

Size.....inches	5x3	5x4	6x2	6x3	6x4	7x6	8x4	8x6	....
Dimensions A.....inches	9 3/8	11 3/8	8 7/16	....	11 7/8	....	11 7/16	14 5/16	....
" B....."	7 7/8	8 1/2	8 1/16	....	9 3/8	....	11	12 3/8	....
" C....."	7 5/8	8 7/16	7 9/16	....	9 1/16	....	10 7/16	11 7/8	....
Price, Black.....each	11.75	11.75	17.50	17.50	17.50	31.50	42.00	42.00	....
" Galvanized... "	20.50	20.50	30.50	30.50	30.50	54.00	72.00	72.00	....

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

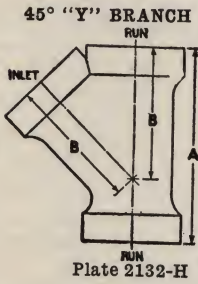


Plate 2132-H

REDUCING 45° "Y" BRANCH

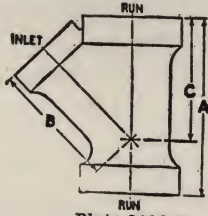


Plate 2133-H

45° "Y" BRANCHES

Size	inches	1 1/4	1 1/2	2	2 1/2	3	4	5
Dimensions A	inches	5	5 1/2	6 7/8	7 7/8	9	10 7/8	12 5/8
" B	"	3 1/4	3 5/8	4 5/8	5 3/8	6 3/8	7 1/2	9 3/8
Price, Black	each	.52	.65	.95	2.10	2.65	3.85	7.10
" Galvanized	"	.90	1.15	1.65	3.70	4.65	6.75	12.50
Size	inches	6	7	8	10	12	14	....
Dimensions A	inches	14 3/4	16 1/2	18 3/4	20	24 1/4	28	....
" B	"	10 3/4	12 1/4	13 3/8	16 1/8	19 3/8	21 1/2	....
Price, Black	each	10.50	19.00	25.00	52.00	75.00	95.00	....
" Galvanized	"	18.50	33.25	44.00	91.00	130.00	165.00	....

REDUCING 45° "Y" BRANCHES

Size	inches	1 1/2 x 1 1/4	2 x 1 1/4	2 x 1 1/2	2 1/2 x 1 1/4	2 1/2 x 1 1/2	2 1/2 x 2	3 x 1 1/4	3 x 1 1/2	3 x 2	3 x 2 1/2
Dimen. A	inches	....	....	5 7/8	....	6 7/8	7 1/8	....	6 3/8	7 3/8	8
" B .....	"	....	....	4 1/8	....	4 5/8	5 1/8	....	5 1/8	5 5/8	5 3/8
" C .....	"	....	....	4 1/8	....	4 5/8	4 5/8	....	4 5/8	5 5/8	5 1/8
Price, Black	each	.72	1.05	1.05	2.30	2.30	2.30	2.90	2.90	2.90	2.90
" Galv	"	1.25	1.85	1.85	4.00	4.00	4.00	5.10	5.10	5.10	5.10
Size	inches	4 x 1 1/4	4 x 1 1/2	4 x 2	4 x 2 1/2	4 x 3	5 x 2	5 x 3	5 x 4	6 x 2	6 x 2 1/2
Dimen. A	inches	....	7 3/8	7 1/8	....	9 1/4	8 1/4	9 3/8	11 3/8	8 7/8	....
" B .....	"	....	6 1/8	6 5/8	....	7 3/8	7 3/8	7 7/8	8 7/8	8 1/8	....
" C .....	"	....	5 3/4	6	....	6 7/8	6 7/8	7 5/8	8 7/8	7 9/8	....
Price, Black	each	4.25	4.25	4.25	4.25	4.25	7.80	7.80	7.80	11.50	11.50
" Galv	"	7.40	7.40	7.40	7.40	7.40	13.65	13.65	13.65	20.00	20.00
Size	inches	6 x 3	6 x 4	6 x 5	7 x 3	7 x 4	7 x 5	7 x 6	8 x 3	8 x 4	8 x 5
Dimen. A	inches	10	11 7/8	13	10	11 7/8	16 1/8	16 1/8	....	11 7/8	....
" B	"	8 3/4	9 3/8	10	9 5/8	10 1/4	10 5/8	11 9/8	....	11	....
" C	"	8 5/8	9 1/8	9 3/8	8 7/8	9 1/8	10 1/2	11 3/8	....	10 7/8	....
Price, Black	each	11.50	11.50	11.50	21.00	21.00	21.00	21.00	27.50	27.50	27.50
" Galv	"	20.00	20.00	20.00	37.00	37.00	37.00	37.00	48.00	48.00	48.00
Size	inches	8 x 6	10 x 4	10 x 5	10 x 6	12 x 6	14 x 3	14 x 4	14 x 5	14 x 6	14 x 12
Dimen. A	inches	14 5/8	14	....	15 1/2	18	....	....	....	19 1/2	....
" B	"	12 3/8	12 7/8	....	14 1/4	15 3/4	....	....	....	17 3/4	....
" C	"	11 7/8	11 1/2	....	13 1/2	14 1/4	....	....	....	16 3/8	....
Price, Black	each	27.50	57.00	57.00	57.00	80.00	105.00	105.00	105.00	105.00	105.00
" Galv	"	48.00	97.00	97.00	97.00	140.00	175.00	175.00	175.00	175.00	175.00

The inlets on reducing fittings are always the smallest openings.
Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

90° LONG TURN "Y" BRANCH
TEE PATTERN

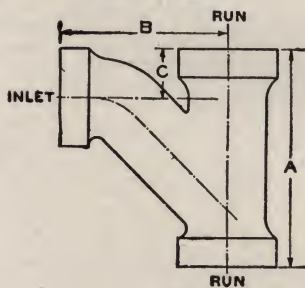


Plate 2134-H

REDUCING 90°
LONG TURN "Y" BRANCH
TEE PATTERN

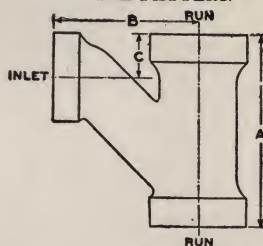


Plate 2135-H

90° LONG TURN "Y" BRANCHES, TEE PATTERN

Size	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8
Dimensions A	4 3/4	5 3/8	7 1/16	8 1/4	9 3/16	13 3/4	15 3/4	18 1/16	21 5/8	24 9/16
" B	3 5/8	4 1/8	5 1/16	6 1/4	7 1/2	9 7/8	12 1/4	14 9/16	16 7/8	19 5/16
" C	1 5/16	1 1/4	1 5/8	2	2 5/16	2 7/8	3 1/2	4 1/8	4 3/4	5 1/4
Price, Black .....	.57	.70	1.10	2.40	3.35	6.00	9.50	20.00	30.00	40.00
" Galvanized	1.00	1.22	1.95	4.20	5.85	10.50	16.50	35.00	52.50	70.00

REDUCING 90° LONG TURN "Y" BRANCHES, TEE PATTERN

Size	1 1/4x1	1 1/2x1	1 3/4x1 1/4	2x1 1/4	2x1 1/2	2 1/2x1	2 3/4x1 1/4	2 3/4x1 1/2	2 1/2x2
Dimensions A	4 1/4	4 1/2	5 1/8	6 1/4	5 3/4	7 1/2	8 1/2	5 3/4	7 3/8
" B	3 1/2	3 5/8	3 7/8	4 1/4	4 3/8	5 1/2	6 1/8	4 9/16	5 5/8
" C	1	1	1 3/16	1 1/2	1 5/8	2	2 3/8	1 5/16	1 5/8
Price, Black .....	.63	.80	1.20	1.20	1.20	2.65	2.65	2.65	2.65
" Galvanized	1.10	1.40	1.40	2.10	2.10	4.65	4.65	4.65	4.65

Size	3x1 1/2	3x2	3x2 1/2	4x1 1/2	4x2	4x2 1/2	4x3	5x1 1/2	5x2
Dimensions A	5 5/16	7 1/16	6 1/8	6 1/2	7 1/16	8 5/8	10	6 5/16	7 3/4
" B	5	6 1/16	5 7/8	6 1/2	6 5/8	7 7/16	8 1/16	6	7 1/8
" C	1 5/16	1 5/8	1 5/16	1 5/8	1 5/8	2	2 3/8	1 3/8	1 5/8
Price, Black	3.75	3.75	3.75	6.60	6.60	6.60	6.60	10.50	10.50
" Galvanized	6.55	6.55	6.55	11.55	11.55	11.55	11.55	18.50	18.50

Size	5x2 1/2	5x3	5x4	6x2	6x3	6x4	6x5	7x3	7x4
Dimensions A	10 1/4	13	10 3/8	10 3/8	13 1/16	16 1/16	16 1/16	10 7/8	13 5/16
" B	8 5/8	10 7/16	7 3/4	7 3/4	9 1/8	11	12 3/16	9 1/16	11 5/8
" C	2 3/8	2 7/8	1 5/8	2 5/8	2 7/8	3 1/2	2 5/8	2 5/8	2 7/8
Price, Black	10.50	10.50	10.50	22.00	22.00	22.00	22.00	33.00	33.00
" Galvanized	18.50	18.50	18.50	38.50	38.50	38.50	38.50	58.00	58.00

Size	7x5	7x6	8x3	8x4	10x4	12x5	.....	.....	.....
Dimensions A .....	.....	.....	10 5/8	13 3/8	14	17	.....	.....	.....
" B .....	.....	.....	10 1/4	13	13	15 1/2	.....	.....	.....
" C .....	.....	.....	2 5/16	2 5/16	3	4	.....	.....	.....
Price, Black	33.00	33.00	44.00	44.00	60.00	85.00	.....	.....	.....
" Galvanized	58.00	58.00	77.00	77.00	102.00	150.00	.....	.....	.....

The inlet of 90° long turn "Y" branches is tapped, pitched 1/4 inch to the foot.

The inlets on reducing fittings are always the smallest openings.

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

DOUBLE 90° LONG TURN
"Y" BRANCH, TEE PATTERN

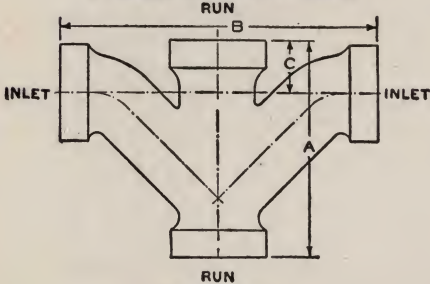


Plate 2136-H

LONG TURN 90° "Y" BRANCHES, WITH
AUXILIARY INLETS

WITH SIDE INLETS



Plate 2137-H

WITH SIDE AND
TOP INLETS



Plate 2138-H

DOUBLE 90° LONG TURN "Y" BRANCHES, TEE PATTERN

Size .....inches	1¼	1½	2	2½	3	4	5	6	7	8
Dimensions A. in.	4¾	5⅝	7⅞	8¼	9⅜	13¾	15¾	18⅞	21⅝	24⅞
" B. "	7¼	8¼	10⅞	12½	15	19¾	24½	29⅞	33¾	38⅝
" C. "	1⅜	1¼	1⅝	2	2⅝	3½	4⅞	4⅝	4¾	5¼
Price, Black..each	1.00	1.10	1.75	3.60	5.00	9.00	14.00	30.00	45.00	60.00
" Galv... "	1.75	1.95	3.10	6.30	8.75	15.75	24.50	52.50	79.00	105.00

REDUCING DOUBLE 90° LONG TURN "Y" BRANCHES, TEE PATTERN

Size .....inches	1¼x1	1½x1	1½x1½	2x1¼	2x1½	2½x1½	2½x1½	3x1½
Dimensions A.....inches	4¼	4½	5⅞	....	5¾	....	5¾	5⅝
" B....."	7	7¼	7¾	....	8¾	....	9⅞	10
" C....."	1	1	1⅜	....	1⅝	....	1⅝	1⅝
Price, Black .....each	1.10	1.25	1.25	1.90	1.90	4.00	4.00	5.50
" Galvanized "	1.90	2.25	2.25	3.35	3.35	7.00	7.00	9.65

Size .....inches	3x2	4x2	4x3	5x4	6x2	6x4	6x5	....
Dimensions A.....inches	7⅞	7⅞	10	13	7⅞	13⅞	16⅞	....
" B....."	12⅞	13¼	16⅞	20⅞	15½	22	25⅞	....
" C....."	1⅝	1⅝	2⅜	2⅞	1⅝	2⅞	3½	....
Price, Black .....each	5.50	10.00	10.00	15.50	33.00	33.00	33.00	....
" Galvanized "	9.65	17.50	17.50	27.00	58.00	58.00	58.00	....

The inlets of double 90° long turn "Y" branches are tapped, pitched ¼ inch to the foot.

The inlets on reducing fittings are always the smallest openings.

LONG TURN 90° "Y" BRANCHES, WITH AUXILIARY INLETS

Size .....inches	3	4	5x4	6x4
Price, with 2-in. Inlet, Right or Left Side, Black.....each	5.25	9.00	12.00	23.00
" " " " " " Galvanized.	9.20	15.75	21.00	40.00
" " 2 " " Both Sides, Black "	5.75	10.00	13.00	25.00
" " 2 " " " Galvanized "	10.00	17.50	22.75	44.00
" " 2 " " Right or Left Side and 2-in. Top Inlet, Black ..	.....	10.00	13.00	25.00
" " 2 " " " " " 2 " " Galv. ....	.....	17.50	22.75	44.00
" " 2 " " Both Sides and 2-in. Top Inlet, Blk ..... "	.....	11.00	14.50	28.00
" " 2 " " " " " 2 " " Galv. ....	.....	19.25	25.50	49.00

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

SPECIAL UPRIGHT "Y" BRANCH

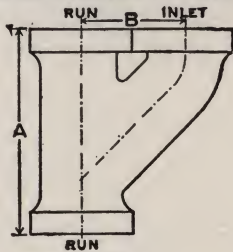


Plate 2139-H

OFFSET

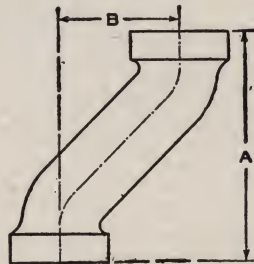


Plate 2140-H

INCREASER

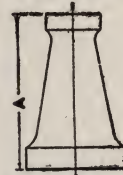


Plate 2141-H

SPECIAL UPRIGHT "Y" BRANCHES

Size	inches	2x1½	2½x1½	2½x2	3x2	3x3	4x2	4x4
Dimensions A	inches	5⅞	5⅝	7⅞	9⅞	9⅞	7⅞	11¾
“ B	“	2⅝	3⅝	3⅝	4⅝	4⅝	4⅝	5⅝
Price, Black	each	2.90	4.50	4.50	6.00	5.50	8.75	8.00
“ Galvanized	“	5.10	7.75	7.75	10.50	9.75	15.25	14.00

OFFSETS

Size	inches	2	2	2	2	3	3	3
Offset B	inches	4	6	8	10	4	6	8
Length A	“	7½	9½	11½	13½	8¾	10¾	12¾
Price, Black	each	2.15	2.40	2.60	2.85	3.35	4.00	4.75
“ Galvanized	“	3.75	4.20	4.55	5.00	5.85	7.00	8.30

Size	inches	3	4	4	4	4	4	5
Offset B	inches	10	4	6	8	10	12	6
Length A	“	14¾	9¾	11¾	13¾	15¾	17¾	12⅝
Price, Black	each	5.50	5.00	5.75	6.50	7.50	8.50	9.00
“ Galvanized	“	9.65	8.75	10.00	11.35	13.15	15.00	15.75

Size	inches	5	5	5	6	6	6	6
Offset B	inches	8	10	12	6	8	10	12
Length A	“	14⅝	16⅝	18⅝	13⅝	15⅝	17⅝	19⅝
Price, Black	each	10.00	11.00	12.00	12.50	13.50	14.50	15.50
“ Galvanized	“	17.50	19.25	21.00	22.00	23.50	25.50	27.00

INCREASERS

Size	inches	3x2	4x2	4x3	5x2	5x3	5x4	6x4	6x5
Dimensions A	inches	9	9	9	9	9	9	9	9
Price, Black	each	2.50	3.75	3.75	5.50	5.50	5.50	6.50	6.50
“ Galvanized	“	4.40	6.55	6.55	9.65	9.65	9.65	11.35	11.35

Size	inches	7x4	7x6	8x4	8x6	10x8	12x10	14x6	14x8
Dimensions A	inches	.....	.....	9	9	.....	.....	.....	.....
Price, Black	each	12.00	12.00	15.00	15.00	20.00	40.00	55.00	55.00
“ Galvanized	“	20.00	20.00	26.25	26.25	35.00	70.00	95.00	95.00

Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe

"S" TRAP

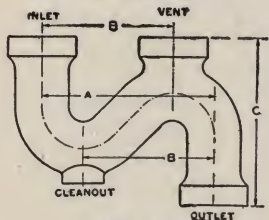


Plate 2142-H

HALF "S" TRAP

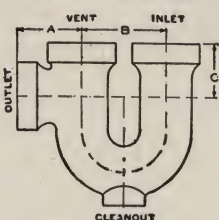


Plate 2143-H

RUNNING TRAP

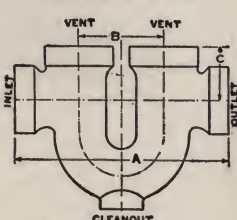


Plate 2144-H

"S" TRAPS

Size.....inches	2	3	4	5	6
Dimensions A.....inches	8¼	10¾	14⅛	16¾	20¼
" B....."	6¼	8⅞	10⅝	12⅞	15⅞
" C....."	8	11¼	13¾	16⅞	19¾
Size of Cleanout....."	1	1⅛	2	2	2
" Vents....."	2	3	4	4	4
Price, Black.....each	4.00	9.25	14.00	21.00	36.00
" Galvanized....."	7.00	16.00	24.00	37.00	63.00

HALF "S" TRAPS

Size.....inches	1¼	1½	2	3	4	5	6	7	8
Dimensions A....inches	2⅝	2½	3⅞	4⅞	5⅛	6⅞	6⅞	7¾	8⅝
" B...."	3⅞	3⅞	4	5⅞	7	8⅞	10⅞	11¼	12⅞
" C...."	2	2¼	2⅞	3½	4⅞	4¾	5⅞	6⅞	6¾
Size of Vent....."	1¼	1½	2	3	4	4	4	5	6
" Cleanout.."	1	1	1	1¼	2	2	2	2	3
Price, Black.....each	1.55	1.70	2.20	5.00	10.00	21.50	32.50	40.00	55.00
" Galvanized..."	2.70	3.00	3.85	8.75	17.50	37.50	57.00	70.00	95.00

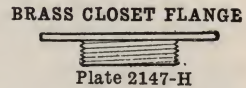
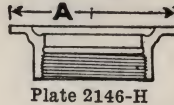
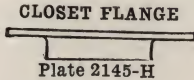
RUNNING TRAPS

Size.....inches	1¼	1½	2	3	4	5
Dimensions A.....inches	7¾	8⅞	10⅞	13¾	17¼	20½
" B....."	3⅞	3⅞	4	5⅞	7	8⅞
" C....."	2	2¼	2⅞	3½	4⅞	4¾
Size of Vents....."	1¼	1½	2	3	4	4
" Cleanout....."	1	1	1	1¼	2	2
Price, Black.....each	2.40	2.70	3.30	5.50	9.75	24.50
" Galvanized....."	4.20	4.70	5.75	9.50	17.00	43.00
Size.....inches	6	7	8	10	12	14
Dimensions A.....inches	23¼	26¾	30¼	36¼	41⅞	45
" B....."	10⅞	11¼	12⅞	14¾	17	18½
" C....."	5⅞	6⅞	6¾	8¼	9½	10½
Size of Vents....."	4	5	6	6	8	8
" Cleanout....."	2	2	3	3	3	3
Price, Black.....each	33.50	50.00	65.00	115.00	180.00	300.00
" Galvanized....."	58.50	87.50	115.00	200.00	300.00	500.00

The outlet of half "S" traps and inlet and outlet of running traps, are tapped, pitched ¼ inch to the foot.
Dimensions subject to a slight variation and change without notice.

CAST IRON DRAINAGE FITTINGS

Screwed for Wrought Pipe
RECESSED CLOSET FLANGE

**CLOSET FLANGES**

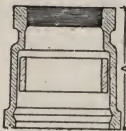
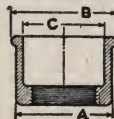
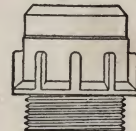
Size	inches	4
Diameter of Flange	inches	7
Price, Black	each	1.35
“ Galvanized	“	2.35

RECESSED CLOSET FLANGES—FOR ASBESTOS RING PACKING

Size	inches	4
Diameter of Flange	inches	7
Price, Black	each	1.35
“ Galvanized	“	2.35

BRASS CLOSET FLANGES

Size	inches	4
Diameter of Flange	inches	7
Price	each	7.00

TUCKER CONNECTION**ROOF CONNECTION****BRASS SOLDER NIPPLE****TUCKER CONNECTIONS**

Size	inches	2	3	4	5	6
Dimensions A	inches	4 1/2	4 3/4	7	7	7
Price, Black	each	.80	2.00	3.25	6.00	8.75
“ Galvanized	“	1.40	3.50	5.70	10.50	15.25

The inlets on reducing fittings are always the smallest openings.

ROOF CONNECTIONS

Size	inches	2	3	4	5	6
Dimensions A	inches	3 1/2	4 9/16	5 5/8	6 11/16	7 3/4
“ B	“	3 3/16	4 5/16	6	7 1/16	8 3/16
“ C	“	3	4 1/8	5 1/8	6	7 1/8
Price, Black	each	1.15	1.20	1.50	2.00	4.25
“ Galvanized	“	2.00	2.10	2.60	3.50	7.40

BRASS SOLDER NIPPLES

Size	inches	1	1 1/4	1 1/2	2	3	4	5
Price	each	.80	.90	1.05	1.50	2.75	4.00	9.00

Dimensions subject to a slight variation and change without notice.

BELL TRAP CESSPOOLS

WITH LOOSE STRAINER



Plate 2151-H

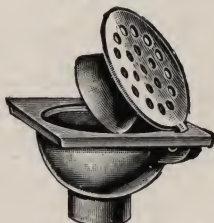
WITH HINGED
STRAINER

Plate 2152-H

WITH HINGED STRAINER
AND ELBOW OUTLET

Plate 2153-H

CAST IRON, WITH LOOSE OR HINGED STRAINER

Size	inches	6x6	9x9	12x12	12x12	13x13
Size of Outlet	inches	2	3	3	4	4
Price, with Loose Strainer, Standard	each	.75	1.00	1.35	2.00	2.40
" " " " Extra Heavy	"	1.15	1.40	....	3.40	4.00
" " " " Standard	"	.80	1.15	1.80	2.60	3.00
" " " " Extra Heavy	"	1.20	1.55	....	3.60	4.40
" " " " and Elbow Outlet, Standard ..	"	3.00	3.50	....	....	7.00
" Extra for Threaded Female Outlet	"	.40	.60	.60	.80	.80

BRASS, WITH HINGED STRAINER

Description	POLISHED			NICKEL-PLATED		
Size .....inches	6x6	9x9	12x12	6x6	9x9	12x12
Size of Outlet .....inches	2	3	4	2	3	4
Price, Iron Body, with Brass Strainer ....each	1.20	1.70	5.00	....	....	....
“ “ “ “ “ Top and Strainer. “	2.00	3.50	6.50	2.50	4.50	7.50
“ All Brass Body, Top and Strainer.. “	3.70	6.50	10.00	4.20	7.50	11.00
“ Extra for Threaded Female Outlet. “	.20	.30	.40	.20	.30	.40

CAST IRON GRATES

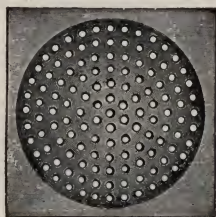
WITH CONCAVE FACE
AND ROUND HOLES

Plate 2155-H

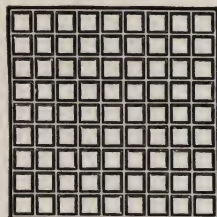
WITH FLAT FACE
AND SQUARE HOLES

Plate 2156-H

CESSPOOL GRATE
WITH BELL

Plate 2154-H

CESSPOOL, WITH BELL TRAP

Size	inches	4¾	*47⁄8	6½	7¼	*8½	9¾	97⁄8	10	10¼	10½	*10¾	*11
Price	each	.20	.30	.25	.40	.55	.40	.45	.45	.50	.70	.90	1.25

*Extra heavy.

CONCAVE AND FLAT FACE

Size	inches	4x4	6x6	8x8	9x9	10x10	11½x11½	12x12
Price, Concave Face, Round Holes, each	"	....	....	....	.40	....	....	.70
" Flat " Square " "	"	.20	.30	.40	.50	.60	.75	.90

CESSPOOLS, ETC.

WILLETT'S



Plate 2157-H

CESSPOOLS

FOSTER

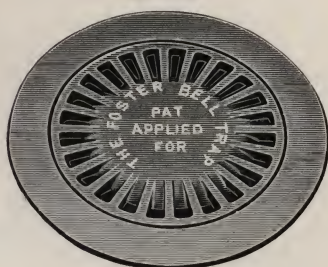


Plate 2158-H

WILLETT'S, WITH LOOSE STRAINER AND TRAP

Price, with Single Strainer.....	each	3.00
" " Double ".....	"	3.50

Size, 10 inches in diameter at top, 10 inches deep with 4-inch outlet.

FOSTER CESSPOOLS

Price.....	each	1.50
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Size, $8\frac{3}{4}$ inches in diameter at top with 3-inch outlet.

EXTRA HEAVY CESSPOOL, WITH BELL TRAP AND GRATING

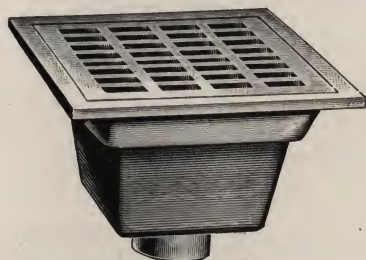


Plate 2159-H

HARRIS SLOP SINK, WITH BELL TRAP

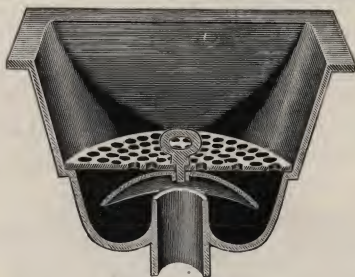


Plate 2160-H

EXTRA HEAVY CESSPOOLS, WITH BELL TRAP AND GRATING

Size.....	inches	8x8	10x6	12x12	16x16
Size of Outlet.....	inches	2	2	4	4
Depth.....	"	5	4	10	10
Price, Plain.....	each	3.00	3.00	3.75	4.50
" Galvanized.....	"	6.00	6.00	7.50	10.00



Plate 2161-H

HARRIS SLOP SINKS

Size.....	inches	12x12	14x14	16x16
Size of Outlet.....	inches	2	2	2
Price, Painted.....	each	2.00	2.25	2.50

CELLAR TRAPS

Size of Outlet.....	inches	2
Price, 9x9 inches, $2\frac{1}{4}$ inches Deep.....	each	1.25
" 12x12 " $2\frac{1}{4}$ " ".....	"	1.60

FLOOR DRAINS, TRAPS, ETC.
COMBINED FLOOR DRAIN AND TRAP

WITH SINGLE COVER



Plate 2162-H

WITH DOUBLE COVER



Plate 2163-H

IRON BODY, BRASS TOP

Diameter of Top.....inches	8	10	11	12	13
Depth.....inches	8	10	11	11	13
Size of Outlet....."	2	3	3	4	4
Price, Single Cover, Polished Brass Top.....each	5.50	8.00	9.00	10.00	11.25
" " " Nickel-plated Brass Top....."	6.00	9.00	10.00	11.00	12.25
" Double " Polished Brass Top....."	8.00	12.50	13.50	17.00	18.25
" " " Nickel-plated Brass Top....."	8.50	13.50	14.50	18.00	19.25
" Extra for Galvanized Body....."	.75	1.00	1.25	1.25	1.50

BRASS BODY

Diameter of Top.....inches	9
Depth.....inches	8
Size of Outlet....."	2
Price, Single Cover, Polished Brass Top and Strainer.....each	7.75
" " " Nickel-plated Brass Top and Strainer....."	8.25
" Double " Polished Brass Top and Strainer....."	10.25
" " " Nickel-plated Brass Top and Strainer....."	10.75

MARTIN CELLAR TRAPS

No. 1

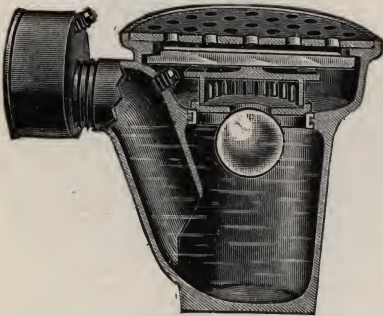


Plate 2164-H

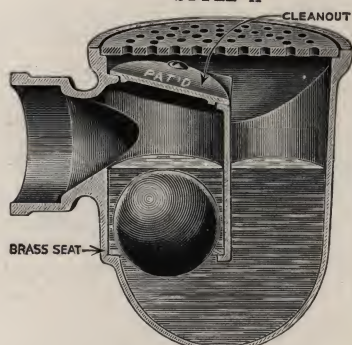
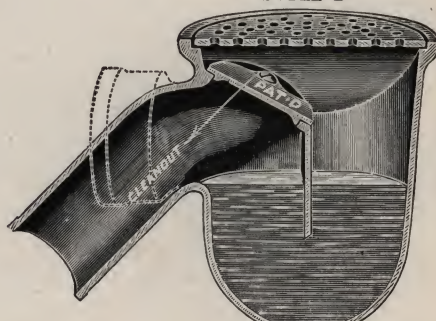
No. 3



Plate 2165-H

These cellar traps have a deep water seal and cannot be evaporated or syphoned. Have brass valve seats and composition balls. No. 3 trap is same as No. 1 except that the outlet is adjustable. Regularly furnished for 4-inch soil pipe, but can be furnished for 2, 3, 5 or 6-inch soil pipe at same price.

Diameter of Top.....inches	10
Height.....inches	10
Price, No. 1 or No. 3.....each	13.00

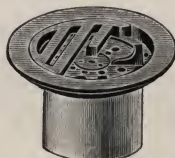
FLOOR DRAINS, ETC.**HUNT'S COMBINED FLOOR DRAIN AND CLEANOUT****STYLE A****Plate 2166-H****STYLE B****Plate 2167-H**

The advantage of this drain is that it affords easy access to the sewer by removing the cleanout cover, which is securely fastened with heavy brass screws. The brass ball rests on a brass seat and will never stick. It has a deep water seal and is strong and durable. Will fit standard or extra heavy pipe. Style B made in $\frac{3}{4}$ S or P pattern.

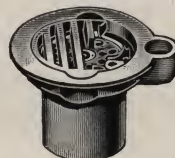
Width over Top.....	inches	11
Size of Outlet.....	inches	4
Price, Style A, Regular.....	each	10.00
" " A, with Brass Top.....	"	17.00
" " B, Regular.....	"	7.00
" " B, with Brass Top.....	"	14.00

"NO FLUD" BACK WATER STOPS

FOR BASEMENTS
AND AREA DRAINS

No. 1**Plate 2168-H**

FOR BOILER ROOMS
WITH OPENING FOR BLOW-OFF

No. 2**Plate 2169-H**

The strainers in these stops are brass and will not rust. Can be used in 4 or 6-inch pipe.

Number.....	1	2
Price	each 3.00	3.50

REFRIGERATOR DRAINS

Outlet Tapped $\frac{1}{4}$ -inch I. P. Thread

**Plate 2170-H**

Price, Painted Iron.....	each	.70
" Galvanized Iron.....	"	1.40
" Rough Brass.....	"	2.00
" Polished Brass.....	"	3.00
" Nickel-plated Brass.....	"	3.50

FLOOR DRAINS

"SANSEALO"

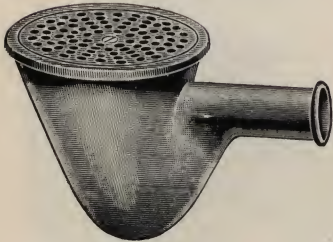


Plate 2171-H

"Sansealo" Drains have no joints to get loose or leak, the outside or main part being made of one piece of heavy iron.

The water seal is unusually large, and only the small amount of water on outside of bell is exposed.

The trap outlet is submerged, which acts as a jet; keeps the trap filled with fresh water; prevents grease, lint and other matter from accumulating in drain or adhering to brass seat.

The main outlet is near the top.

The inner trap rests on flange on inside of main body; a round rubber gasket forms the joint between outer and inner trap, and four brass stud bolts insure a tight joint. This inner trap can be easily lifted out, giving direct access to soil pipe.

PLAIN

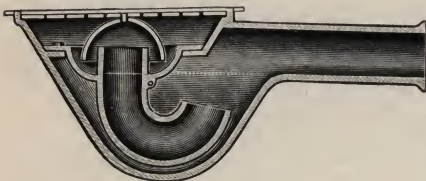


Plate 2172-H

WITH BACK WATER TRAP

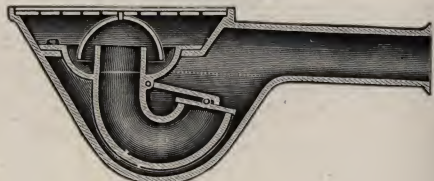


Plate 2173-H

No.	Distance from Top Center to Outlet Inches	Diameter of Top Inches	Depth Inches	Size of Outlet Inches	Approx. Weight Pounds	PRICE, EACH.			
						IRON TOP		BRASS TOP	
						Plain	With Back Water Trap	Plain	With Back Water Trap
0	8	8	8	1½	18	4.00	6.75	6.25	8.75
00	8	8	8	2	20	4.25	7.00	6.50	9.00
1	9½	8	8	2	20	3.75	6.50	6.00	8.50
2	13	11	8½	2	33	5.00	8.00	10.00	13.00
3	13½	13½	12	3	55	9.00	13.00	15.00	19.00
4	16½	15	14½	4	85	13.00	18.00	21.00	28.00

Nos. 0 and 00 are tapped for iron pipe. Nos. 1, 2, 3 and 4 are for soil pipe.

EXTRAS

Number.....	0	00	1	2	3	4
Price, 5-inch Top Extensions, additional each	3.00	3.00	3.00	4.00	5.00	6.00
" Extra Heavy Strainers " " "	1.50	1.50	1.50	1.50	2.00	2.50

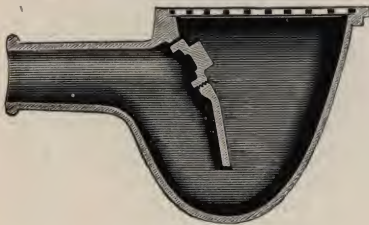


Plate 2174-H

"NOXALL"

The "Noxall" Drain has no joints to get loose and leak, is very compact and easy to install. It has a large water seal and the brass clean-out plug gives direct access to soil pipe.

Number	For Soil Pipe Inches	Depth Inches	Center of Top to Outlet, In.	Price with Iron Top, Each	Price with Brass Top, Each
2	2	8	9½	2.25	4.50
4	4	12	16	8.00	14.00

FLOOR DRAINS

SIEBEN FLOOR DRAINS

(Patented)

PLAIN

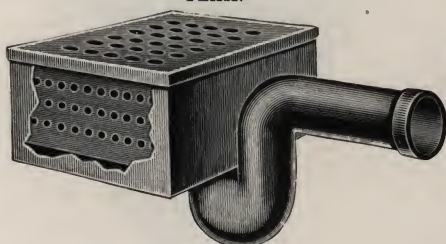


Plate 2175-H

COMBINATION BACKWATER

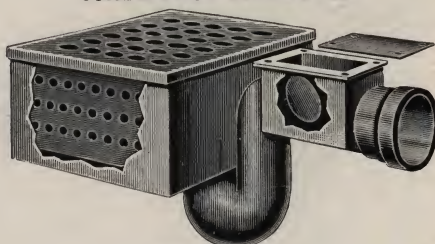


Plate 2176-H

The plain drain is provided with a perforated interior basket which prevents straw or rubbish getting into sewer and clogging it and this basket can be readily lifted out and cleaned. The outlet of the drain is within $2\frac{1}{2}$ inches of the top of the floor, allowing plenty of fall.

This combination backwater drain is identical with the plain, only that it is supplied with a brass backwater valve and cleanout which is level with the surface of the floor.

Size	10x10x8	10x10x8	14x14x10	14x14x10	16x16x10
Size of Outlet	2	3	3	4	4
Price, Plain	4.50	6.00	8.00	9.00	10.00
“ with Backwater Valve ...	8.00	9.00	11.00	12.00	13.00
Add for Extra Heavy Cover .....	.60	.60	1.40	1.40	2.50

IMPROVED STANDARD DRY PAN DRAINS

PLAIN



Plate 2177-H

WITH BACKWATER VALVE



Plate 2178-H

These are constructed with quick detachable cleanouts. Are recommended for all ordinary purposes. Furnished with square pan if desired.

In addition to the quick detachable cleanout these drains are fitted with a backwater valve which also shuts off evaporation between the trap and pan.

Size of Pan	10	10	14
Size of Outlet	2	3	4
Price, Plain	4.50	6.00	9.00
“ with Backwater Valve	8.00	9.00	12.00
Add for Extra Heavy Cover .....	.60	.60	1.00

BLAKE FLOOR DRAINS

(Patented)

BLAKE JUNIOR COMBINED FLOOR DRAIN AND TRAPS
SCREWED FOR WROUGHT PIPE

FOR CAST IRON PIPE

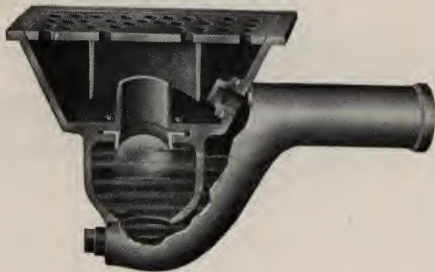


Plate 2179-H

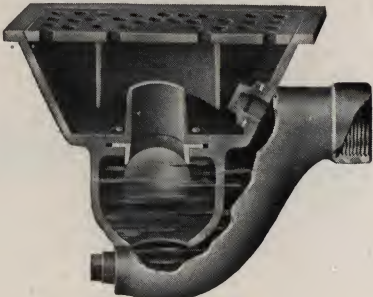


Plate 2180-H

The large grate surface with special air inlet, bottom flushing arrangement, accessible rodding, full capacity waterways and positive "easy-to-get-at" back water valve features are worthy of the highest consideration.

Size of Connection.....inches	2	3	4
Size of Top.....inches	11¼x11¼	12x12	17x17
Depth....."	9	12½	16
Price, with Cast Iron Cover, for Cast or Wrt. Pipe..each	7.00	12.00	18.00

BLAKE JUNIOR FLOOR DRAIN WITH-
OUT BACK WATER VALVE FOR
WROUGHT PIPE

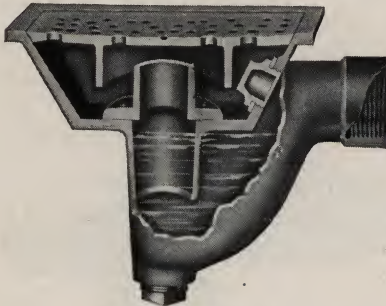


Plate 2181-H

ROCK ISLAND FLOOR DRAIN WITH
BACK WATER VALVE

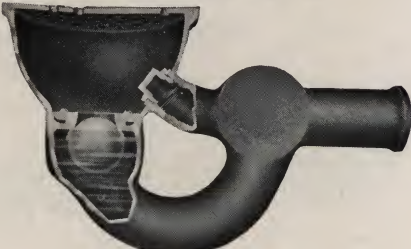


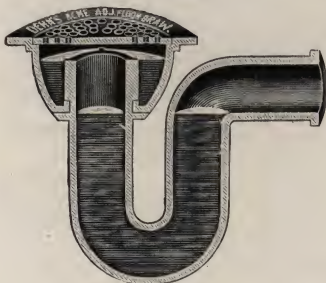
Plate 2182-H

BLAKE JUNIOR FLOOR DRAINS

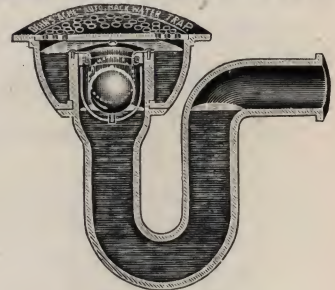
Size of Connection.....inches	2	3	4
Size of Cover.....inches	10x10	12x12	17x17
Depth....."	9	12½	16
Price, with Cast Iron Cover, for Cast or Wrt. Pipe..each	3.50	7.00	12.00

ROCK ISLAND FLOOR DRAINS

Size of Connection.....inches	2
Size of Top.....inches	8½
Depth....."	10
Length....."	17
Price, with Cast Iron Cover.....each	5.00
" " " " " without Back Water Valve....."	3.00

DEHN'S "ACME" FLOOR DRAINS**No. 3 PLAIN****No. 5 WITH AUTOMATIC BACK WATER VALVE****Plate 2183-H**

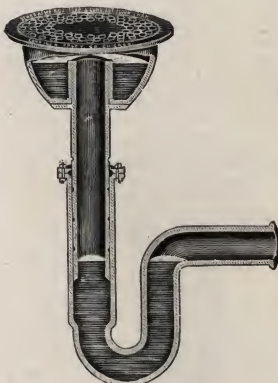
**ADJUSTABLE
FLOOR DRAINS
AND CELLAR
TRAPS**

**Plate 2184-H**

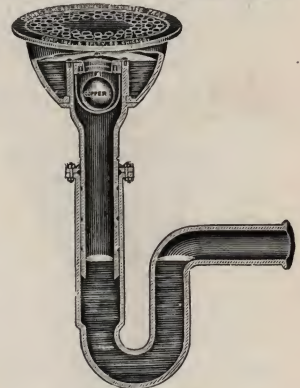
Depth of Water Seal Inches	Size of Outlet Inches	Diameter of Top Inches	Depth Over All Inches	Length Over All Inches	Receiver Above Outlet of Trap, In.	Average Weight Pounds	PRICE, EACH		
							Iron Top and Strainer	Brass Top and Strainer	N. P. Brass Top and Strainer
4	2	8	10	12	2	20	2.00	7.00	9.00
4	3	9	13	14	2	30	4.00	10.00	12.00
4	4	12	15	21	2	50	6.00	14.00	17.00

No. 5 WITH AUTOMATIC BACK WATER VALVE

4	2	9	11	13	2	25	7.00	13.00	15.00
4	3	9	13	14	2	35	9.00	16.00	18.00
4	4	12	15	21	2	60	12.00	20.00	23.00

No. 16 PLAIN**No. 17 WITH AUTOMATIC BACK WATER VALVE****Plate 2185-H**

**FLOOR DRAINS WITH
ADJUSTABLE CELLAR
TRAPS AND RECEIVERS**

**Plate 2186-H**

Water Seal Inches	Size of Outlet Inches	RECEIVER ABOVE OUTLET OF TRAP, IN.		Depth Over All Inches	Length Over All Inches	Diam- eter of Top Inches	Average Weight Pounds	Adjust- ment of Receiver Inches	PRICE, EACH		
		Extreme Height	Lowest Depth						Iron Top and Strainer	Brass Top and Strainer	N. P. Brass Top and Strainer
4	2	20	8	28	14	8	30	12	5.00	10.00	12.00

No. 17 WITH AUTOMATIC BACK WATER VALVE

4	2	20	8	28	14	9	35	12	10.00	16.00	18.00
---	---	----	---	----	----	---	----	----	-------	-------	-------

These fixtures can be furnished threaded for iron pipe in the outlet.

For iron pipe thread, add to list for 2-inch, 1.50; 3-inch, 2.00; 4-inch, 3.00.

DEHN'S "ACME" FLOOR DRAINS

(Patented)
WITH CONTINUOUS PIPE TRAP AND AUTOMATIC BACK WATER VALVE

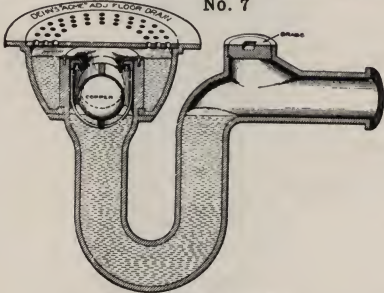


Plate 2187-H

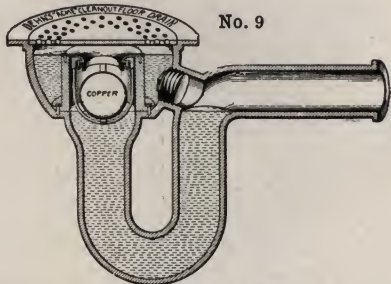


Plate 2188-H

These drains are provided with large brass taper-threaded cleanout plugs and seamless metal ball float. This float prevents flooding of cellars, cannot get down into trap outlet and become airbound, and can be easily removed with cage by unscrewing the four brass screws.

Number.....	7			9		
Size of Outlet.....inches	2	3	4	2	3	4
Water Seal....."	4	4	4	4	4	4
Diameter of Top....."	9	10	12	9	10	12
Depth Over All....."	11	13	15	11	13	16
Length "....."	18	20	22	18	20	24
Receiver above Outlet....."	2	2	2	2	2	2
Approximate Weight.....pounds	30	40	65	30	40	65
Price, with Iron Top and Strainer, each	8.00	11.00	15.00	7.50	10.00	14.00
" " Fin. Brass Top and Strainer, "	14.00	18.00	23.00	13.50	17.00	22.00
" " N. P. " " " "	16.00	20.00	26.00	15.50	19.00	25.00

WITH LARGE ADJUSTABLE RECEIVER, STRAIGHT OUTLET
No. 53, WITHOUT BACK WATER VALVE No. 54, WITH BACK WATER VALVE

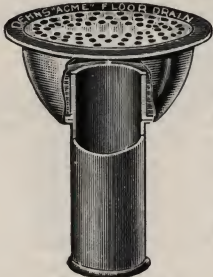


Plate 2189-H

These drains are designed especially for use in cellars and areaways where sewers are put deep down in ground. The trap connecting with floor drain can be put in place when main sewer is put in.

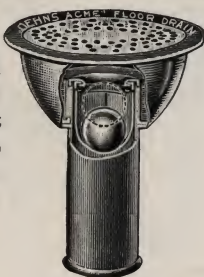


Plate 2190-II

Size of Outlet.....inches	2	3	4
Diameter of Top....."	9	10	12
Depth Over All....."	12	12	12
Approximate Weight, without Valve.....pounds	15	20	30
" " with "....."	20	25	35
Price, without Valve, with Iron Top and Strainer .....each	3.00	4.00	5.00
" " " " Fin. Brass Top and Strainer.. "	9.00	11.00	13.00
" " " " N. P. " " " " " "	11.00	13.00	16.00
" with " " " Iron Top and Strainer "	6.00	7.00	9.00
" " " " Fin. Brass Top and Strainer.. "	12.00	14.00	17.00
" " " " N. P. " " " " " "	14.00	16.00	20.00

DEHN'S "PEERLESS" GARAGE DRAINS

(Patented)

No. 60, WITH AUTOMATIC
BACK WATER VALVE

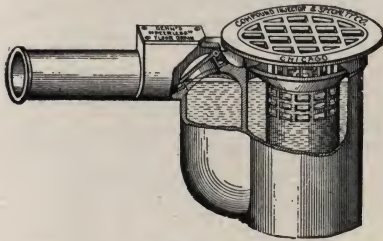


Plate 2191-H

No. 61, WITH VENTED HOOD

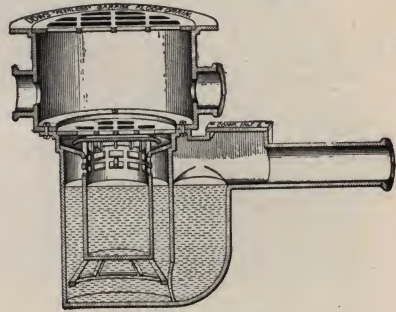


Plate 2192-H

No. 60

These drains are especially recommended for installation in buildings where the water carries with it mud, sand and other material. The handhole is flush with the floor, making it readily accessible. The grate is extra heavy so as to safely support heavy vehicles driving over same.

Size of Outlet.....	inches	2	4
Water Seal	"	5	5
Diameter of Top	"	9	12
Depth Over All	"	10	13
Length " "	"	22	24
Approximate Weight.....	pounds	50	100
Price, with Iron Top and Strainer	each	12.00	15.00
" " Finished Brass Top and Strainer.....	"	18.00	23.00
" " N. P. Brass Top and Strainer.....	"	20.00	26.00

No. 61

These drains are especially designed for use in small public or private garages. The receiving hood is provided with vent hub openings on either side from which vent pipes can be carried to the outside of building to allow fumes or gases from the waste gasoline to escape.

Size of Outlet.....	inches	4
" " Vent Connection.....	"	2
Water Seal	"	5
Diameter of Top	"	15
Depth Over All	"	22
Length " "	"	24
Approximate Weight	pounds	175
Price, with Iron Top and Strainer	each	25.00

DEHN'S GARAGE DRAINS, ETC.

(Patented)

No. 116 "ACME" CAST IRON BLOW-OFF
GRAVEL AND DRAINAGE CATCH BASIN

No. 62 "PEERLESS" GARAGE DRAIN

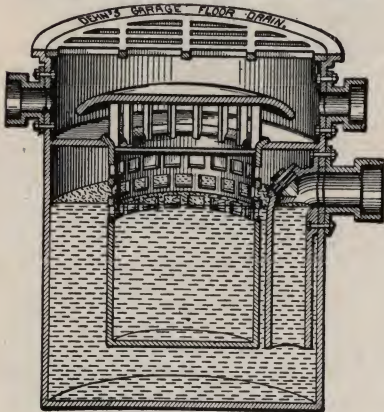


Plate 2193-H



Plate 2194-H

No. 62 "PEERLESS" GARAGE DRAINS

These drains should be installed in every automobile garage to avoid accidents resulting from the formation of gases, also to prevent the sewers from choking up. The mud, sand and other material washed from automobiles, vehicles, etc., will accumulate in the receptacle, as this drain is constructed so that the force of the water cannot send it out of the basin into the outlet to the sewer. When it becomes necessary to remove this accumulation, the receptacle can be lifted out of the basin and emptied.

Diameter of Top.....	inches	20	20	20	20
Size of Waste Outlet.....	"	4	4	4	4
Depth Over All.....	"	30	38	46	54
Vent Hub Connections.....	"	2	2	2	2
Approximate Weight.....	pounds	400	500	600	700
Price, Iron Top and Strainer.....	each	50.00	65.00	80.00	95.00

No. 116 "ACME" CATCH BASINS

These basins are extra heavy and are provided with extra heavy flush cover fastened with machine bolts.

Diameter... inches	16	16	18	18	20	20	20	24
Depth..... "	24	30	24	30	24	30	36	24
Price.....each	20.00	22.00	23.00	24.00	24.00	27.00	31.00	30.00
Diameter... inches	24	24	24	24	30	30	30	.....
Depth..... "	30	36	42	54	30	36	42	.....
Price.....each	32.00	36.00	42.00	48.00	38.00	44.00	50.00	.....

Hubs are for 4 or 6-inch cast iron and vitrified pipe. Two hubs furnished with each basin. Additional hubs, 3.00 each net. Prices of larger basins furnished upon application.

STABLE FITTINGS

GRADED STABLE GUTTER WITH COVER

FOR WOOD FLOOR

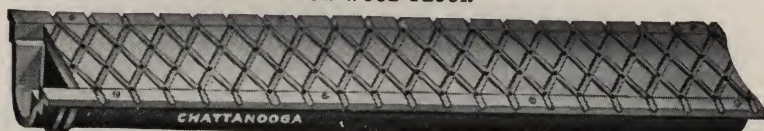


Plate 2195-H

FOR CONCRETE FLOOR

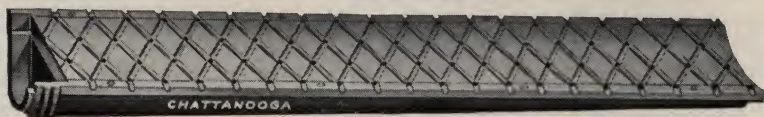


Plate 2196-H

Width of gutter for wood floor, over flange, $8\frac{1}{4}$ inches; for concrete floor, $6\frac{1}{2}$ inches.
 Greatest Depth; at 20 feet, 4 inches; at 30 feet, $5\frac{1}{4}$ inches; at 40 feet, $6\frac{1}{2}$ inches.
 Descent in bottom about 1-inch per eight feet.

Length of Sections.....	feet	Up to 20	20 to 30	30 to 40
Price, Gutter with Cover	per foot	1.50	1.80	2.20
“ “ only.....	“	.90	1.20	1.60
“ Cover “.....	“	.60	.60	.60

GUTTER CESSPOOLS WITH BELL TRAP

FOR GUTTER
WITHOUT COVER

OPEN ONE END

OPEN BOTH ENDS



Plate 2197-H



Plate 2198-H



Plate 2199-H

CESSPOOLS FOR GUTTER WITHOUT COVER

Size of Top	inches	13 x 13
“ “ Outlet	“	4
Dip.....	“	2 $\frac{1}{2}$
Price, with Both Ends Open.....	each	7.00
“ “ One End Closed.....	“	7.50

CESSPOOLS FOR COVERED GUTTER

Size of Top over Flanges	inches	11 $\frac{3}{4}$
Price, for Gutters up to 20 feet Long, for Wood or Concrete Floor.....		7.00
“ “ “ 20 “ 30 “ “ “ “ “ “ “ “		8.00
“ “ “ 30 “ 40 “ “ “ “ “ “ “ “		9.00

MANHOLE FRAMES AND COVERS, ETC.

CAST IRON MANHOLE FRAMES AND COVERS

SOLID COVER



Plate 2200-H

PERFORATED COVER



Plate 2201-H

No.	Diameter of Cover Inches	Height of Frame Inches	Diameter of Bottom Flange Inches	Diameter of Opening Inches	Price Complete Each
1	22 1/4	8 3/4	36	20 1/2	23.50
2	23 3/4	7 1/2	36	22	23.50
3	30	8 3/4	44	28	37.50
4	21 1/2	5	30	19 1/2	13.50

Solid covers will be furnished unless otherwise specified.

CISTERN RING AND COVER

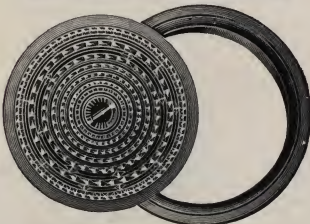


Plate 2202-H

METER FRAME AND COVER



Plate 2203-H

CISTERN RINGS AND COVERS

Size of Opening.....inches	18	20	22	24
Diameter of Top.....inches	23	26	28	30
Price.....each	4.00	6.00	8.00	10.00

Lock covers, 35 cents each, extra.

METER FRAMES AND COVERS

Size.....inches	24x24
Price, Standard.....each	6.00
“ Medium.....“	10.00
“ Extra Heavy.....“	18.00

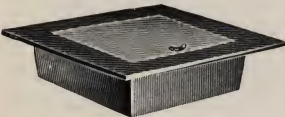


Plate 2204-H

CLEANOUT FRAMES AND COVERS

Size, Outside.....inches	9x9	12x12
Size of Opening.....inches	6 1/2 x 6 1/2	9x9
Price.....each	1.00	2.25

VEHICLE WASHERS AND DRINKING FOUNTAINS

"PERFECTION" VEHICLE WASHERS

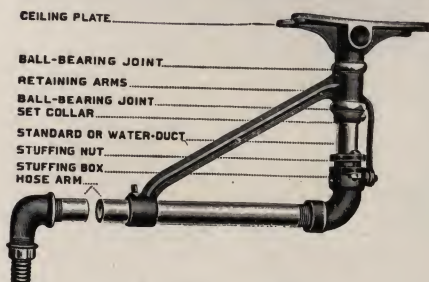


Plate 2205-H

This washer requires but 10 feet of hose, and the latter being attached to a swinging arm revolving on ball bearing joint is always out of the way, thus enabling one to wash vehicles more easily and rapidly.



Plate 2206-H

Price, No. 1—4½-foot Arm, without Hose	each	12.00
" " 2—6 " " with Turnbuckle and Brace, without Hose	"	14.00



Plate 2207-H

Drinking fountain for man and horse with bubbling cup for man and self-closing cock for horse fountain.

Bubbling fountain: Height, 36 inches; diam. of bowl, 17 inches; base, 12¼x13¾ inches.

Horse fountain: Height, 22 inches; basin, 46x25 inches; depth, 12 inches; base, 40x19 inches.

Price, No. 1 Complete, as described	Bronzed	Painted
" " 2 " " " " less Self-Closing Cock for Horse Fountain	100.00	90.00
" " 3 Horse Fountain only, with Self-Closing Cock	68.00	60.00
" " 4 " " " " Overflow Standpipe	51.00	45.00
" Extra for Dog Lap	5.00	5.00

FOUNTAINS

BOY AND SWAN



Plate 2210-H

	Plate 2210-H	Painted One Coat	Bronzed
Price, No. 1, 2 feet, 6 inches High.....		54.00	62.00
" " 1, with 5-foot Frog and Turtle Ground Basin.....		96.00	104.00
" " 1, " 6 " " "		114.00	122.00
" " 2, 3 feet, 5 inches High.....		72.00	83.00
" " 2, with 5-foot Frog and Turtle Ground Basin.....		114.00	125.00
" " 2, " 6 " " " "		132.00	143.00
" " 2, " 6 " Octagon Ground Basin.....		156.00	167.00

TWO-BASIN



Plate 2211-H

	Plate 2211-H	Painted One Coat	Bronzed
Price, 4 feet 4 inches High.....		44.00	65.00
" " with 5-foot Frog and Turtle Ground Basin.....		97.00	110.00
" " 6 " " " 		116.00	128.00
" " 6 Octagon Ground Basin.....		143.00	153.00

FOUNTAINS

CUPID AND FISH—ZINC



Plate 2212-H

Price, 3 feet High.....	Painted One Coat	Bronzed
“ with 4-foot Ground Basin on Feet.....	54.00	63.00
	84.00	94.00

TWO-BASIN

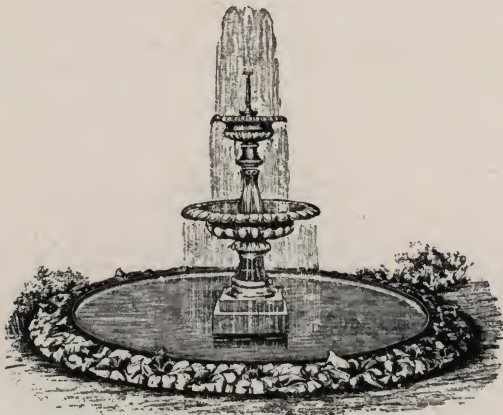


Plate 2213-H

Price, 3 feet 6 inches High.....	Painted One Coat	Bronzed
“ with 4-foot Frog and Turtle Ground Basin.....	36.00	45.00
“ “ 5 “ “ “ “ “ “ “.....	66.00	75.00
	78.00	87.00

Diameter of first basin, 2 feet; top basin, 13½ inches.

BRASS GAS FIXTURE FITTINGS

"L" BURNER COCK



Plate 2300-H

"L" BURNER COCK—4 Inches Long



Plate 2301-H

ONE-LIGHT
PENDANT COCK

Plate 2302-H

Size.....inches	$\frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{8}$
Price, "L" Burner Cocks.....per dozen	5.20	....	....	4.55	....	4.25
“ Long "L" Burner Cocks..... “	7.80	....	....	....	....	....
“ One-Light Pendant Cocks ... “	5.85	5.20	5.20	5.20	4.90	....

TWO-LIGHT PENDANT
COCK

Plate 2303-H

REVOLVING PENDANT
COCK

Plate 2304-H

UNIVERSAL PENDANT
COCK

Plate 2305-H

Size.....inches	$\frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$
Price, Two-Light Pendant Cocks.....per dozen	10.50	9.10	9.10	9.50	8.45
“ Revolving “ “	8.50	8.15	7.80	7.50	7.15
“ Universal “ “	10.00	9.75	9.45	....	....

BRACKET SWING
COCK

Plate 2306-H

UNIVERSAL BRACKET
SWING COCK

Plate 2307-H

UNIVERSAL
SWING

Plate 2308-H

Size.....inches	$\frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{8}$
Price, Bracket Swing Cocks.....per dozen	9.10	8.45	8.15	....	....	....
“ Universal Bracket Swing Cocks “	13.00	12.35	12.05	....	....	....
“ “ Swings..... “	9.10	8.80	8.80	8.45	8.15	7.80

BRASS GAS FIXTURE FITTINGS

MIDDLE SWING



Plate 2309-H

TOP SWING



Plate 2310-H

STRAIGHT COCK



Plate 2311-H

PILLAR COCK



Plate 2312-H

Size	inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{8}$
Price, Middle Swing.....	per dozen	....	6.20	5.55	5.20	4.90	4.55	4.25
“ Top Swing.....	“	....	6.20	5.55	5.20	4.90	4.55	4.25
“ Straight Cocks.....	“	6.20	4.90	4.55	4.55	4.55	4.25	3.90
“ Pillar Cocks.....	“	....	4.55	....	....	4.25	....	3.90

STRAIGHT NOZZLE



SIDE NOZZLE



Plate 2314-H

BRACKET
BODY



Plate 2315-H

PILLAR
BODY

Plate 2316-H

Size.....	inches	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$
Price, Straight Nozzles.....	per dozen	1.95	1.65	1.00
“ Side Nozzles.....	“	2.30	1.65	1.00
“ Bracket Bodies.....	“	3.90	....	....
“ Pillar “.....	“	5.20	....	....

STIFF JOINT



Plate 2317-H

CONNECTING BALL



Plate 2318-H

**HOSE
COCK**



Plate 2319-H

INDEPENDENT COCK



Plate 2320-H

DOUBLE INDEPENDENT
COCK



Plate 2321-H

[illegible]

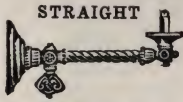
STAPLE GAS BRACKETS**ROUND GILT TUBE**

Fig. 2322H

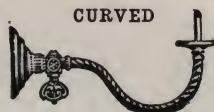


Fig. 2323H

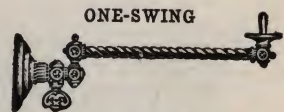


Fig. 2324H

Price, Stiff Brackets, Straight or Curved, Round Gilt Tube.....	each	.45
" One-Swing Brackets, Round Gilt Tube	"	.50

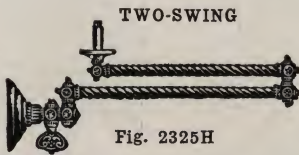


Fig. 2325H

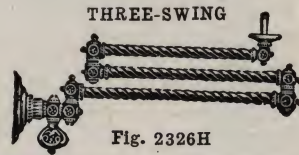


Fig. 2326H

Price, Two-Swing Brackets, Round Gilt Tube	each	.80
" Three-Swing " " " "	"	1.10

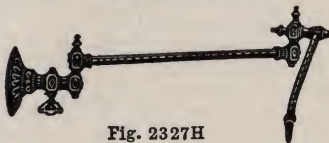
TWO-SWING UNIVERSAL

Fig. 2327H

THREE-SWING UNIVERSAL

Fig. 2328H

Price, Two-Swing Universal Brackets, Round Gilt Tube	each	1.10
" Three-Swing " " " "	"	1.40

SQUARE POLISHED BRASS TUBE

Fig. 2329H



Fig. 2330H

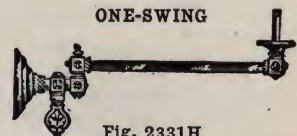


Fig. 2331H

Price, Stiff Brackets, Straight, Square Polished Brass Tube.....	each	.58
" " " Curved, " " " "	"	.65
" One-Swing Brackets, " " " "	"	.90

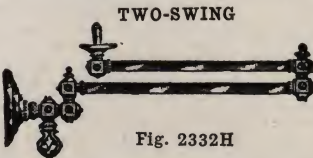


Fig. 2332H

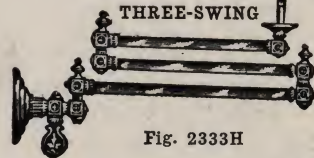


Fig. 2333H

Price, Two-Swing Brackets, Square Polished Brass Tube ..	each	1.25
" Three-Swing " " " "	"	1.65

NATURAL GAS VALVES, MIXERS, ETC.

NATURAL GAS VALVES

LOCK SHIELD

SQUARE STEM

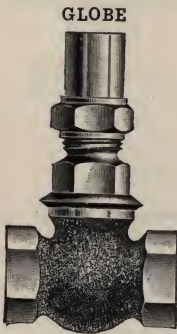


Plate 2334-H



Plate 2335-H



Plate 2336-H



Plate 2337-H

Size .....	..... inches	$\frac{3}{8}$	$\frac{1}{2}$
Price, Globe, with Lock Shield, Rough Body.....	each	1.10	1.35
" " " " Nickel-plated.....	"	1.40	1.65
" Angle, " " " Rough Body.....	"	1.80	2.05
" " " " Nickel-plated.....	"	2.15	2.40
" Globe, " $\frac{1}{4}$ -inch Square Stem, Rough Body.....	"	.77	1.00
" " " " " Nickel-plated.....	"	1.05	1.30
" Angle, " $\frac{1}{4}$ " " " Rough Body.....	"	.77	1.00
" " " " " Nickel-plated.....	"	1.05	1.30
" Keys, Rough.....	"	.15	.15
" " Nickel-plated.....	"	.20	.20

Valves furnished with metal seats unless otherwise ordered. For fibre seats, add 10 cents to list. Keys are extra.

NATURAL GAS MIXERS

HEXAGON SOLID PIN

HEXAGON LOOSE PIN



Plate 2338-H



Plate 2339-H

Style.....	.....	Solid Pin	Loose Pin
Price, $1\frac{1}{4} \times \frac{3}{8}$ or $\frac{1}{2}$ -inch, Rough.....	each	.45	.50
" $1\frac{1}{4} \times \frac{3}{8}$ " $\frac{1}{2}$ " Finished.....	"	.55	.60
" $1\frac{1}{4} \times \frac{3}{8}$ " $\frac{1}{2}$ " Nickel-plated.....	"	.65	.70
" Mixer Pins only, $\frac{3}{8}$ or $\frac{1}{2}$ -inch.....	"15

LAVA TIPS



Plate 2340-H

Price	per gross	1.20
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BRASS PILLARS



Plate 2341-H

Price	per gross	1.50
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VZ GAS APPLIANCES**DOUBLE COMBUSTION STERLING HEATERS****THREE-BURNER****ONE-BURNER****Plate 2342-H****TWO-BURNER****Plate 2343-H****Plate 2344-H**

These heaters are absolutely odorless and smokeless. The burners are patented double combustion which conserve and utilize every heat unit. No unconsumed gas escapes into the surrounding atmosphere to make an odor or vitiate the air. The heaters are made with one, two and three independent burners. When the two or three-burner size is used, the amount of heat can be regulated by operating as many burners as is necessary to sustain the required amount of heat. Burners can be raised or lowered to a certain point, but better and more satisfactory results are obtained when burners are run as units at full capacity. When properly regulated, each burner consumes 12 feet of artificial, $7\frac{1}{2}$ feet of natural or 3 feet of Blau gas per hour. Heaters are furnished in planished iron or with blue or white porcelain enamel panels.

ONE-BURNER

Height.....	inches	18
Width.....	inches	12
Depth.....	"	$11\frac{1}{2}$
Weight, Boxed.....	pounds	30
Price, No. 21, Planished Iron Body.....	each	8.00
" " 31, Blue Enameled Panels.....	"	10.00
" " 41, White " ".....	"	10.00

TWO-BURNER

Height.....	inches	$20\frac{1}{2}$
Width.....	inches	$18\frac{1}{2}$
Depth.....	"	$11\frac{1}{2}$
Weight, Boxed.....	pounds	45
Price, No. 22, Planished Iron Body.....	each	13.00
" " 32, Blue Enameled Panels.....	"	16.00
" " 42, White " ".....	"	16.00

THREE-BURNER

Height.....	inches	23
Width.....	inches	25
Depth.....	"	$11\frac{1}{2}$
Weight, Boxed.....	pounds	65
Price, No. 23, Planished Iron Body.....	each	18.00
" " 33, Blue Enameled Panels.....	"	21.50
" " 43, White " ".....	"	21.50

VZ GAS APPLIANCES
DOUBLE COMBUSTION

PORTABLE HEATER



Plate 2345-H

JET HEATER

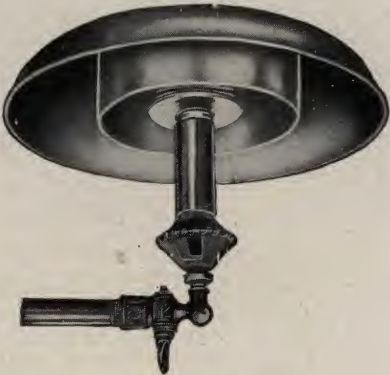


Plate 2346-H

PORTABLE HEATERS

All parts cast iron, except drum. This heater is the best and most economical auxiliary gas heater on the market, and can be used to great advantage in any house where gas is used for lighting purposes, as it can be attached to a gas jet in any room where instant heat is desired. It is absolutely odorless and can be burned for any length of time without any vitiation of the air.

The double burner is 10 inches from the floor, and will not injure a carpet; there is practically no side radiation that might ruin any furniture, but a thermometer will register 600 degrees Fahr. if placed an inch from the openings on the top.

Burns 12 feet of artificial, 7½ feet of natural, or 3 feet of blau gas per hour, when properly regulated.

Height, 22 inches; width, 10 inches; weight, boxed, 16 pounds.

No.	Finish	Price Each
0	Wellsville Steel, Aluminum Trimmed.....	5.50
01	Planished Iron, Nickel Trimmed.....	8.00
02	Blue Enamel, Baked Black Trimmed.....	8.00
03	“ “ Nickel Trimmed.....	9.00
04	White Enamel, Baked Black Trimmed.....	8.00
05	“ “ Nickel Trimmed.....	9.00

JET HEATERS

These are the most satisfactory jet heaters ever produced. The double combustion method insures a perfectly odorless condition and greater amount of heat from the gas consumed. Are made solid and can be attached to any jet.

Height, 6 inches; width, 10 inches.

Price	each	2.25
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VZ GAS APPLIANCES

DOUBLE COMBUSTION

CAST IRON GAS LOGS—TWIN CONTROL



Plate 2347-H

The double combustion gas burning process is certainly revolutionary in the construction of gas burners, yet simple and practical.

The initial burner is contained within a patented housing in such a manner as to permit the admixture of a very large quantity of air, thus producing a very hot flame.

The odors or unburned gas (which escape from all single burners) are held together until the temperature rises to the point necessary to cause them to burn. This gas is automatically lighted by the first flame, but has no connection with it, and can be seen burning outside the shell in a lambent flame.

Owing to the enormous amount of air that these air mixers feed to the burners, it is possible to get absolutely every heat unit contained in the gas out of it, and both flames are so pure that they are invisible in daylight.

These double combustion gas logs are made of cast iron, cast in one piece. They are open at both ends, top and bottom, therefore cannot explode nor crack, and are indestructible.

Each log burns 24 feet of artificial or 15 feet of natural gas per hour.

Equals about 128 feet of steam radiation.

Number.....	116	118	120
Size of Cluster.....inches	16	18	20
Weight, Boxed.....pounds	85	90	95
Price.....each	22.00	24.00	26.00

Prices include stand, two valves and two burners.

VZ GAS APPLIANCES

DOUBLE COMBUSTION

BATH ROOM WALL POCKETS

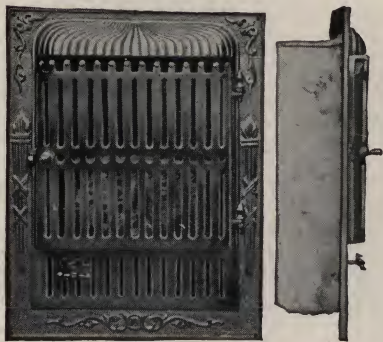


Plate 2348-H

These bath room wall heaters are equipped with double combustion patented log or plate burners, which burn the gas with a pleasing blue flame, actually consuming all odors and escaping gases by means of a second flame, making an odorless and smokeless gas heater.

Can be placed in brick or frame wall, no flue being necessary.

The frame and door are of cast iron, heavily nickel-plated and highly polished, and project 1 inch on No. 100 and 3 inches on No. 101.

The double hood is made of polished steel with 1-inch air space, covered with asbestos.

They will heat a bath room in from 5 to 10 minutes.

They can be placed anywhere in the room, as the closed door prevents any possibility of igniting clothes or towels.

Wall pockets can also be placed in bed rooms, kitchens, billiard rooms, etc.
Burns 12 feet of artificial, 7½ feet of natural, or 3 feet of Blau gas per hour when properly regulated.
Equals about 32 feet of steam radiation.

DETAIL OF INSTALLATION

When leaving opening for wall pocket, make hole 14x17 inches. Then bring gas pipe to bottom of opening, but not too near left-hand side, as the valve is on that side and it would make connection difficult.

After the plastering is finished, set wall pocket in the opening, securing it to the wall with screws provided for that purpose. Then remove the bottom fender, which will expose the inside and make connection.

If bottom of the opening is closed with a board, cover same with a coat of cement or plaster of Paris.

The No. 100 is not suitable for natural gas when installed in a lath and plaster wall and should be used only in a brick wall.



Plate 2349-H

Number	100	101
Frame Outside	15½x20	15½x20
Hood "	13½x16x4	13½x16x4
" Inside	12½x15x3¼	12½x15x3¼
Burner	8 in. C. I. Log	8x8 in. C. I. Plate
Weight, Crated	35	35
Price	20.00	20.00

PLUMBERS' TOOLS**BURNER PLIERS**

Plate 2400-H

GAS PLIERS

Plate 2401-H

BURNER PLIERS

Length.....	inches	5	6
Price, Polished.....	per dozen	8.00	9.00

GAS PLIERS

Length.....	inches	8	9	10	12	14
Price, Polished.....	per dozen	12.00	14.00	15.00	18.00	24.00

For full polished, add 3.00 per dozen.

COMBINATION PLIERS

Plate 2402-H

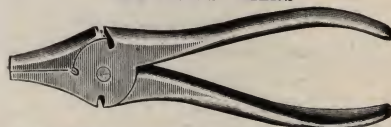
BUTTON'S PLIERS

Plate 2403-H

COMBINATION PLIERS

Length.....	inches	6	8	10
Price, Black.....	per dozen	13.50	16.00	18.00
" Nickel-plated.....	"	15.00	18.00	21.00

BUTTON'S PLIERS

Length.....	inches	4½	6	8	10	12
Price.....	per dozen	10.00	12.00	15.00	20.00	30.00

CUTTING NIPPERS**CUTTING PLIERS**

Plate 2404-H



Plate 2405-H

Length.....	inches	5	6	7	8
Price, Cutting Pliers.....	per dozen	10.50	11.00	12.25	13.75
" Nippers.....	"	15.00	20.00	24.00	30.00

PLUMBER'S SAW

Plate 2406-H

COMPASS SAW

Plate 2407-H

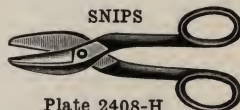
SNIPS

Plate 2408-H

Size.....	inches	10	12	14	16
Price, Plumbers' Saws, Single Edge.....	per dozen	....	7.75	8.75	9.75
" " Double.....	"	....	8.75	9.75	11.00
" Compass.....	"	4.00	4.50	5.00	....

SNIPS

Length of Cut.....	inches	2½	3	3½	4	4½
Price.....	each	1.75	1.90	2.50	3.25	4.00

PLUMBERS' TOOLS



RASPS AND FILES

Size.....	inches	10	12	14
Price, Half-Round Rasps.....	per dozen	12.80	17.50	23.20
" Flat Files.....	"	7.00	9.70	13.30
" Half-Round Files.....	"	9.10	11.80	15.50

CHIPPING KNIVES

Size.....	inches	4½	5	6
Price.....	per dozen	5.00	5.50	6.25

BLOWPIPES

Size.....	inches	8	9	10	11	12
Price.....	per dozen	3.00	3.25	3.50	3.75	4.00



SOLDERING AND HATCHET COPPERS

Price, Soldering Coppers.....	per pound	.50
" Hatchet.....	"	.50

ROUND IRONS

Number.....	1	2	3
Price..... per dozen	8.00	10.50	12.00



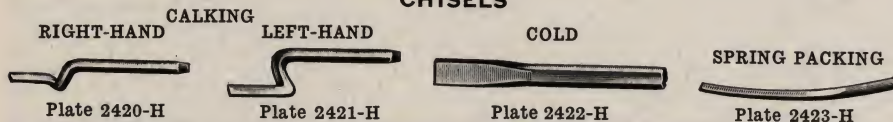
BENDING SPRINGS

Size.....	inches	¾	1	1¼	1½	2
Price.....	each	.90	1.00	1.25	1.50	2.00

BENDING PINS, STRAIGHT CALKING AND YARNING CHISELS

Price, Bending Pins.....	per dozen	3.00
" Straight Calking Chisels.....	"	8.00
" " Yarning.....	"	8.00

CHISELS



Price, Right or Left-Hand Calking.....	per dozen	8.00
" Cold, ½ to 1-inch.....	per pound	.40
" Spring Packing.....	per dozen	8.00

PLUMBERS' TOOLS

SCREWDRIVER



Plate 2439-H

FLOOR CHISEL



Plate 2438-H

WOOD CHISEL



Plate 2437-H

WOOD AND FLOOR CHISELS

Price, Wood Chisels, 1-inch Blade...per dozen	6.00	Price, Floor Chisels, 3-inch Cut...per dozen	14.00
" " " 2 1/2-inch Cut. " "	12.00	" " " 3 1/2-inch Cut. " "	16.00

SCREWDRIVERS

Size.....inches	6	8	10	12	14
Price.....per dozen	2.00	2.50	2.50	3.00	3.00

EXPANSION BIT



Plate 2442-H

WASHER CUTTER

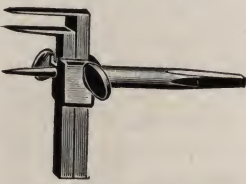


Plate 2443-H

HAMMER



Plate 2440-H

BASIN WRENCH



Plate 2441-H

Price, Hammers, No. 1....per dozen	8.00	Price, Expansion Bits, Small, per doz.	18.00
" " " 2.... " "	8.50	" " " Large. " "	26.00
" " Basin Wrenches.... " "	15.00	" " Washer Cutters..... " "	11.00

GAS FITTERS' AUGERS



Plate 2444-H

Size of Auger.....inches	5/8	3/4	7/8	1 1/4	1 1/2	1 3/4	2	2 1/2
Size for Pipe.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price.....each	.80	1.00	1.12	1.60	1.92	2.25	2.50	3.25

RULE



Plate 2445-H

LEVEL



Plate 2446-H

Price, Rules, Plain.....per dozen	4.00	Price, Levels, 2-foot.....each	1.00
" " " B. B..... " "	15.00	.....	.....

PLUMB BOB



Plate 2447-H

Price, Plumb Bobs, Small.....each	.15
" " " Large..... " "	.25
" " Measuring Tapes, 25-foot.....per dozen	6.00
" " " 50 " " " " " "	8.00

MEASURING TAPE



Plate 2448-H

PLUMBERS' TOOLS

WONDER DRILLS

STYLE A



Plate 2449-H

STYLE C



Plate 2450-H

RATCHET BRACE

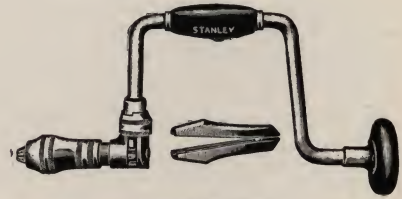


Plate 2451-H

WONDER DRILLS

Style	A	C
Price, Plain Feed	24.00	33.00
“ Self-Feeding	48.00	60.00

Style A takes standard or $\frac{1}{2}$ -inch round shank drills; Style C, $\frac{1}{16}$ to $\frac{1}{2}$ -inch round shank and bit stock drills.

RATCHET BIT BRACES

Nickel Finish, Plain Steel Jaws, Hardwood Handle and Head

Sweep	8	10	12
Price	13.00	13.75	14.50

LEAD PIPE CUTTER

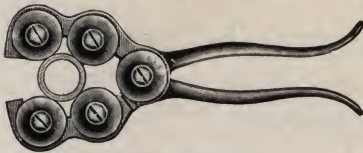


Plate 2452-H

PLUMBER'S TOOL BAG



Plate 2453-H

LEAD PIPE CUTTERS

Price, Nickel-plated	each	2.50
“ Japanned	“	2.00

These cut lead pipe from $\frac{3}{8}$ to $1\frac{1}{2}$ inches, leaving no chips.

PLUMBERS' TOOL BAGS

Price, Leather Bottom and Sides	each	5.00
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PLUMBERS' TOOLS

LADLE

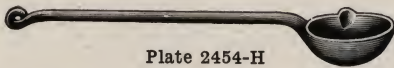


Plate 2454-H

SOLDER POT



Plate 2455-H

LADLES

Size.....inches	2½	3	3½	4	5	6	7	8	9	10
Price, Regular...per dozen	2.75	3.50	4.00	4.75	6.50	8.00	....	....	....	....
“ Extra Heavy “	....	....	....	....	....	10.00	12.00	15.00	20.00	24.00

SOLDER POTS

Size.....inches	5	6	8	9	10½	13½
Price.....each	.50	.65	1.40	1.60	2.00	4.00

MOLDS

STRAP SOLDER



Plate 2457-H

PLAIN



Plate 2458-H

TACK

STAR PATTERN



Plate 2459-H

BAR SOLDER



Plate 2456-H

Price, Bar Solder.....each	1.20
“ Strap Solder.....“	3.00
“ Plain Tack, Single.....“	2.50
“ “ Double.....“	3.50
“ Star “ Single.....“	2.50
“ “ Double.....“	3.50

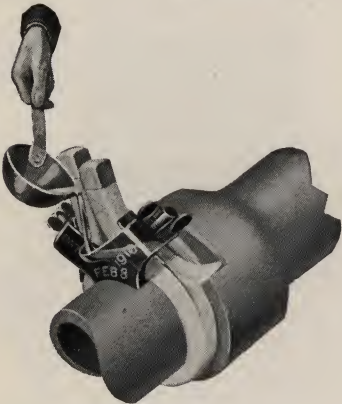


Plate 2460-H

PEERLESS LEAD JOINT RUNNERS

The square asbestos rope is of the best grade. It is firmly held around the pipe by a new patented clamp. This clamp is provided with a liberal pouring cup which receives the metal and delivers it exactly where it is wanted without waste, leaving a smooth, finished job. In operating this clamp it is only necessary to release one end of the rope. The steel thumbscrews work on a multiple thread, making the operation very rapid.

Price, No. 1, for Pipe 2 to 6-inch.....each	1.50
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PLUMBERS' TOOLS

GAS PROVING PUMP
AND SPRING GAUGE

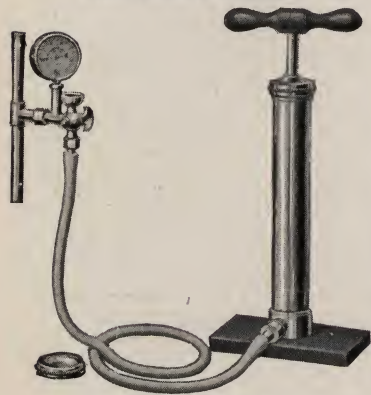


Plate 2468-H

GAS PROVING PUMP
AND MERCURY GAUGE

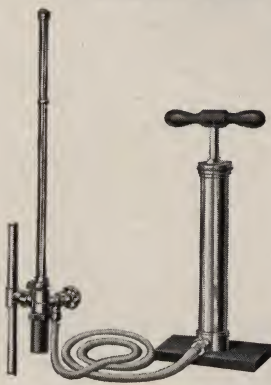


Plate 2469-H

GAS MAIN
FORCE PUMP

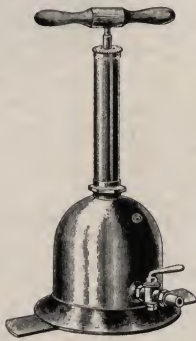


Plate 2470-H

GAS PROVING PUMPS

Price, Pump complete, with Spring Gauge.....	each	16.00
" " " " Mercury "	"	16.00
" " only	"	8.00
" Mercury Gauge, Ether Cup and Cock.....	"	8.00
" Spring Gauge only.....	"	8.50
" Ether Cup and Cock only, for Spring Gauge.....	"	3.00
" Gas Main Force Pump.....	"	25.00



Plate 2471-H

TRIPLEX SMOKE
TEST MACHINE

ends of all pipes are temporarily closed, this smoke is forced through the pipes in all parts of the building and no break or fissure, however insignificant, escapes attention. Being definitely located by sense of both sight and smell, their extent can readily be ascertained and the proper remedy applied. Price, 50.00.

The "Triplex" machine consists of a two-compartment earthen receptacle for chemicals, together with a blower and gauge. In operation it produces a dense, yet diffusible, and pungent smoke of unmistakable qualities under sufficient pressure to disclose defects, but at the same time not too forcible to destroy the seal of properly constructed traps. After the open



Plate 2472-H

SOIL PIPE TEST PLUGS

Size.....inches	2	3	4	5	6	7	8
Price.....each	1.00	1.25	1.50	2.00	2.50	3.50	4.50
" Extra Rubbers.. "	.25	.50	.70	.90	1.20	2.00	3.25

GASOLINE TORCHES AND FURNACES

TORCHES

No. 1



Plate 2473-H

No. 2



Plate 2474-H

No. 7



Plate 2475-H

Number.....	1	2	7
Capacity	2	2	1
Price	6.50	7.00	5.00

No. 2 same as No. 1, except has soldering iron attachment.

PLUMBERS' FURNACES

No. 60



Plate 2476-H

No. 61



Plate 2477-H

H. J. & C.

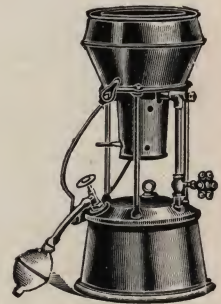


Plate 2478-H

Nos. 60 and 61 furnaces are made with heavy seamless drawn steel tanks with the bottom and all fittings welded in, making them the strongest furnaces on the market. All small parts are made of malleable iron and brass.

Number.....	60	61	H. J. & C.
Capacity	8	8	8
Price	7.50	8.00	7.50

All furnaces furnished with one shield. If with two shields, add .50.

REPAIR PARTS

Price, Burners...each	.10	Price, Handles...each	.25	Price, Shields...each	.50
" Connecting Pipes "	.08	" Nuts..... "	.02	" No. 3 Shields.. "	1.00
" Coils..... "	.40	" Valves..... "	.50	" Tees..... "	.06
" Coil Cups.. "	.30	" Pet Cocks. "	.30	" Top Plates.. "	.20
" Ells..... "	.06	" Plugs..... "	.06	" Uprights... "	.08
" Filling Screws.. "	.15	" Reservoirs.. "	1.80	" Wires for Coils. "	.05
" Handle Ears .. "	.08	" Bulbs..... "	.35	" Pumps.... "	.50

CEMENTS, ETC.

HOSMER PIPE JOINT PASTE
NOKORODE SOLDERING PASTE



Plate 2479-H



Plate 2480-H

GUMBO CEMENT



Plate 2481-H

PORCELA



Plate 2482-H

HOSMER PIPE JOINT PASTE

Size of Package.....pounds	1	5	10	25	50
Price.....per pound	.30	.27	.25	.22	.20

NOKORODE SOLDERING PASTE

Capacity of Cans.....pounds	1/8	1	10	25	50
Price.....per can	.25	1.00	10.00	22.50	45.00

GUMBO CEMENT

Capacity of Cans.....pounds	2	4	8	25	50
Price.....per can	.35	.70	1.35	3.70	7.00

PORCELA

For cleaning porcelain, enameled ware, woodwork, brass, silver, etc., and removing ink, paint and grease from the hands. Contains no grit, acid or potash.

Size of Packages.....pounds	1/2	1	5
Number of Packages to Case	24	24	12
Price.....per case	3.00	5.60	11.10

PUTTY

GAS FITTERS' CEMENT



Plate 2483-H



Plate 2484-H

PREPARED SOIL



Plate 2485-H

GAS FITTERS' CEMENT

Price, in 5-pound Packages.....each	1.00
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PUTTY

Size of Package.....	12 1/4-lb. Cans	25-lb. Cans	50-lb. Cans	100-lb. Cans	5-lb. Bladders
Price.....per pound	.06	.06	.05	.05	.10

PREPARED SOIL

Price.....per pint	.20
".....per quart	.35

CEMENTS, OILS, ETC.

SMOOTH-ON IRON CEMENTS



Plate 2486-H

No. 1 Smooth-On Cement is a chemically prepared iron compound in a powder form and used by mixing with water to the consistency of stiff putty. It is quick hardening and must be applied immediately. Unequaled for stopping leaks of steam, water, fire or oil. Sold in blue label tins only.

No. 3 Smooth-On Elastic Cement is an elastic iron cement in paste form ready for use. It hardens slowly like red and white lead putty but this action is quickened by heat. May be applied to hot or cold metal. Used on seams of boilers and tanks and for boiler patching and screw thread joints. Should be applied to the inside seams where possible. Sold in gray label tins only.

No. 5 Smooth-On Joint Cement is a compound in powder form and is used for making joints on cast iron bell and spigot pipes, in place of calking lead and in combination with lead. Sold in red label tins only.

Price, Nos. 1 or 5, in 25, 10, 5 or 1-pound Cans.....	per pound	.50
" No. 3, in 10, 5 or 1-pound Cans.....	"	.50

EX-EL-ARD THREADING AND CUTTING OIL

You can't cut smooth threads with a cheap, low grade steel die—you wouldn't try! Then why expect to do it with a low grade oil?

Ex-El-Ard is the best threading and cutting oil on the market—it's far superior to the purest, winter-strained lard oil.

Ex-El-Ard reduces friction to the minimum and is therefore a big factor in the saving of dies. It keeps them cool, saves time and expense of tool sharpening, reduces the drag of cutting and requires but half the power to operate.

Unequaled for automatic screw machines, automatic drill presses, turret lathes, thread cutting machines and hand cutting dies.

This oil has been tested in cutting a difficult thread—unusually deep—cut and gnarled in one continuous operation, on $\frac{5}{8}$ -inch diameter, 12-foot 5-point carbon steel bar—nearly as hard as tool steel. In this and all cases the die, when finishing, was as cool as when starting and it had been in use for four or five days without any attention whatever.

Price, 1-gallon Cans.....	per gallon	.82
" 5 " Jacketed Cans.....	"	.69
" 10 " " ".....	"	.63
" Barrels.....	"	.47

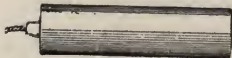


Plate 2487-H

PLUMBERS' CANDLES

Price, 3 to a pound or 5 to a pound.....	per pound	.25
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POURING LADLES AND POTS

PRESSED STEEL
POURING LADLE
HORIZONTAL HANDLE



Plate 2488-H

GANG LADLE

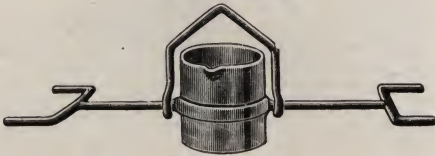


Plate 2489-H

PRESSED STEEL POURING LADLES

Size	inches	8	10	12
Price, Horizontal Handles	each	5.50	7.00	8.50
“ Vertical “	“	5.50	7.00	8.50

GANG LADLES

Diameter	inches	10	11	12	13	15	17
Depth	inches	9½	10½	11½	12½	15	18
Lead Capacity	pounds	200	300	400	500	650	800
Price	each	17.25	19.25	21.75	24.25	27.75	34.75

CAST IRON
POURING POT



Plate 2490-H

No. 1



Plate 2491-H

KETTLES

No. 2

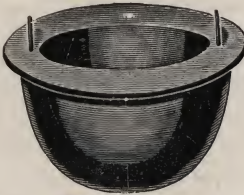


Plate 2492-H

CAST IRON POURING POTS

Price, 7 inches Diameter, 6 inches Deep, Capacity, 50 pounds Lead.....	each	2.50
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KETTLES

Number.....		1	2
Size	inches	16½x11	11½x8
Capacity	pounds	700	260
Price, with Bail.....	each	7.00	5.50
“ without Bail.....	“	6.50	5.00

MELTING LADLES
SEAMLESS SHEET STEEL BOWL

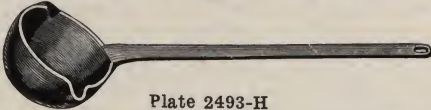


Plate 2493-H

Diam. of Bowl. in.	2	2½	3	3½	4	5	6	6	7	8	9	10	12
Lead Cap lbs.	¾	1	1½	3¼	4	8½	18	15	26	45	57	80	130
Price per doz.	2.50	2.75	3.50	4.25	5.00	6.50	8.50	10.00	12.00	15.00	20.00	24.00	30.00

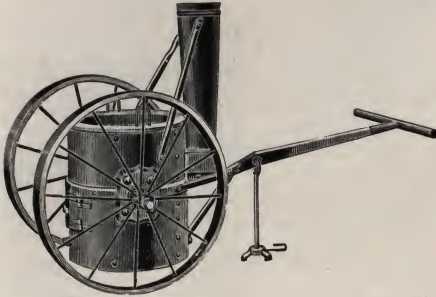
LEAD MELTING FURNACES**ON WHEELS****WITH DOOR****WITH DOOR AND POT RACK**

Plate 2494-H

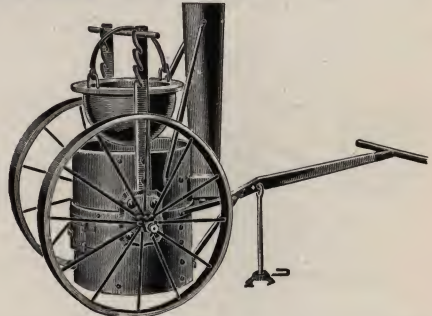


Plate 2495-H

ON WHEELS WITH DOOR, No. 1

Diameter, $21\frac{1}{2}$ inches; height, 24 inches; diameter of pot, $16\frac{3}{4}$ inches; depth of pot, 11 inches; capacity, lead, 700 pounds.

Priceeach 70.00

**ON LEGS
WITH DOOR**

Plate 2496-H

ON WHEELS WITH DOOR, No. 2

Diameter, 16 inches; height, 24 inches; diameter of pot, $11\frac{1}{2}$ inches; depth of pot, 8 inches; capacity, lead, 260 pounds.

Priceeach 63.00

ON WHEELS WITH DOOR AND POT RACK

Number	1	2
Diameter.....inches	$21\frac{1}{2}$	16
Height....."	24	24
Diameter of Pot....."	$16\frac{3}{4}$	$11\frac{1}{2}$
Depth of Pot....."	11	8
Capacity, Lead.....pounds	700	260
Price.....each	74.00	67.00

ON LEGS WITH DOOR

Number	1	2
Diameter.....inches	$21\frac{1}{2}$	16
Height....."	24	24
Diameter of Pot....."	$15\frac{1}{2}$	$11\frac{1}{2}$
Depth of Pot....."	$10\frac{1}{2}$	8
Capacity, Lead.....pounds	600	260
Price.....each	49.00	42.00

ON LEGS WITH DOOR AND SMOKESTACK

Number	1	2
Diameter.....inches	$21\frac{1}{2}$	16
Height....."	24	24
Diameter of Pot....."	$15\frac{1}{2}$	$11\frac{1}{2}$
Depth of Pot....."	$10\frac{1}{2}$	8
Capacity, Lead.....pounds	600	260
Price.....each	52.00	45.00

MUELLER WATER TAPPING MACHINES

(Patented)

FOR TAPPING WATER MAINS AND INSERTING CORPORATION COCKS UNDER PRESSURE

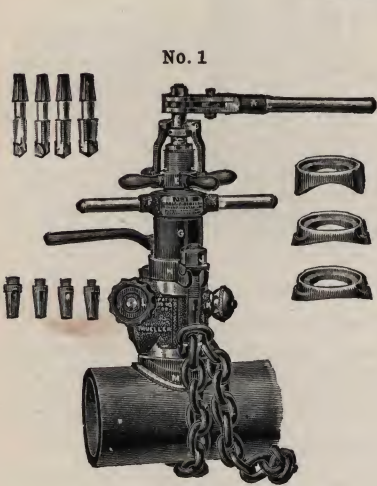


Plate 2497-H

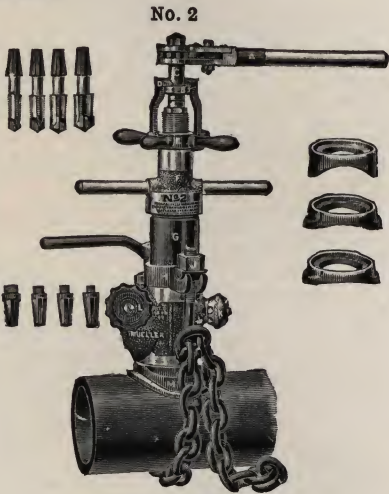


Plate 2498-H

Price, No. 1.....	each	90.00
“ “ 2.....	“	100.00

STANDARD EQUIPMENT

Standard equipment includes: Ratchet handle complete; combined feed nut and yoke with four-arm handle; tools with Mueller thread, sizes 1/2, 5/8, 3/4 and 1-inch; plugs, male screw, sizes 1/2, 5/8, 3/4 and 1-inch; malleable iron saddles, sizes for 4, 6, 8 and 10-inch cast iron pipe; small rubber gasket for top of saddles; large rubber gasket for all sizes of cast or wrought iron pipe; chain for 4 to 12-inch pipe; chain wrench, and body cleaning chisel. This equipment will always be furnished, unless otherwise specified.

EXTRA TOOLS, WITH MUELLER THREAD

Price, 1/2-inch Combined Drill, Reamer and Tap, 6 3/8 inches Long.....	each	4.00
“ 5/8 “ “ “ “ “ 6 3/8 “ “	“	4.50
“ 3/4 “ “ “ “ “ “ 6 3/8 “ “	“	5.50
“ 1 “ “ “ “ “ “ 6 3/8 “ “	“	6.50

1/2-inch tap, also taps thread for 3/8-inch corporation cock.

EXTRA DRILLS, REAMERS AND TAPS—WITH IRON PIPE THREAD
When Purchased Separately

Size.....	inches	3/8	1/2	3/4	1
Price.....	each	4.00	4.00	5.50	6.50

Drill, reamer and tap, with standard iron pipe thread, sizes 3/8 to 1-inch, will be furnished without additional cost, when specified, instead of the four with Mueller thread given in the standard equipment.

No. 2 machine is same style and capacity as No. 1, but is heavier, and affords more power for the large taps.

GAS MAIN TAPPING MACHINES

No. 11
FOR DEAD MAINS



Plate 2499-H

No. 13
FOR DEAD MAINS

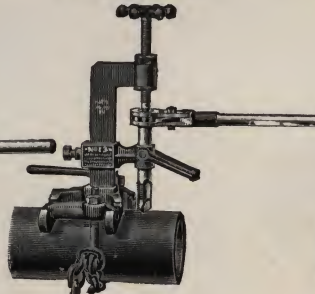


Plate 2500-H

No. 14
FOR DEAD OR LIVE MAINS

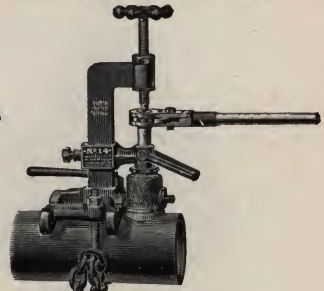


Plate 2501-H

No. 11, FOR DEAD MAINS, BOILERS, STRUCTURAL IRON, ETC.

Price, with Standard Equipment..... each | 20.00

Will tap $\frac{3}{8}$ to 2 inches in any size pipe. Standard equipment includes ratchet handle complete, wrench, chain spreader, chain for 12-inch pipe and smaller, no tools.

No. 13, FOR DEAD MAINS

Price, Complete, with Standard Equipment..... each | 25.00

Will tap $\frac{3}{8}$ to 3 inches in any size pipe.

Standard equipment includes ratchet handle complete, wrench, chain spreader, chain for 12-inch and smaller pipe sizes, but no tools.

No. 14, FOR DEAD OR LIVE MAINS

Price, Complete, with Standard Equipment..... each | 30.00

With suitable tools this machine will make taps from $\frac{3}{8}$ to 2-inch size in pipe under pressure; if the gas cylinder is removed it will make taps from $\frac{3}{8}$ to 3-inch size in an open pipe of any size.

Standard equipment includes ratchet handle complete, wrench, chain spreader, chain for 12-inch and smaller pipe, four rubber saddles for any size of C. I. pipe, gas cylinder and rubber gaskets, but no tools.

No. 17, FOR LIVE MAINS

Price, Complete, with Standard Equipment, each | 50.00

With suitable tools and saddles, taps from $\frac{3}{4}$ to 3 inches can be made in pipe from 4-inch to the largest.

Price includes ratchet handle complete, with handle extension, chain for 16-inch and smaller pipe, saddles for 10, 12, 14 and 16-inch C. I. pipe, two rubber gaskets that fit all sizes of pipe, but no tools.

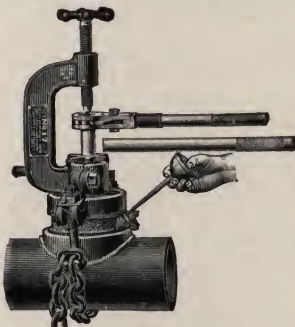


Plate 2502-H

COMBINED DRILLS, REAMER AND TAPS FOR GAS MAIN TAPPING MACHINES

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, I. P. Thread.....each	4.00	4.00	5.00	6.00	6.50	7.50	9.00	16.00	19.00

WATER METERS



Plate 2600-H



Plate 2601-H

CROWN

Size Inches	GREATEST QUANTITY PER MINUTE		GENERAL DIMENSIONS INCHES			WEIGHT, POUNDS		Price Each	Price Connections
	Cu. Ft.	Gallons	Length	Height	Width	Net	Gross		
5/8	2	15	7 1/4	9	7	20	25	16.00	.54
3/4	4	30	9	10 1/4	8 3/4	33	42	28.00	.80
1	8	60	10 7/8	11 3/4	10	49	63	40.00	1.07
1 1/2	12	90	13	14	12	95	120	66.67	....
2	20	150	17	15 1/2	13 3/4	142	176	86.67	....
3	36	270	24	16 1/2	15 1/2	226	246	166.67	....
4	72	540	29 1/4	20 1/2	21	461	486	300.00	....
6	120	900	36 3/4	28 1/2	29	1000	1040	600.00	....

Prices are the same for meters fitted with round dials or for those with the straight reading registers. All sizes of the Crown Meter arranged with the round dials are classified as "A" Crown; with the straight reading registers are known as "AA" Crown. The "A" Crown and "AA" Crown are identical, except that in the case of the former the round dials and regular counters are used in place of the straight reading registers. Specify which style of meter is desired.

The price of cast iron connections are as follows: 3-inch, 7.50 per set; 4-inch, 10.00 per set; 6-inch, 15.00 per set. The cast iron connections for 3, 4 and 6-inch meters, unless something different is called for, usually consist of one spigot end connection, and one bell end connection. Unless otherwise ordered, screw flanges are shipped with 3 and 6-inch meters.

EMPIRE

5/8	2	15	7 1/4	8 1/2	6 5/8	15	20	13.33	.54
3/4	4	30	9	8 3/4	7 1/2	20	27	20.00	.80
1	8	60	10 7/8	9 1/2	8 3/4	32	42	30.00	1.07
1 1/2	12	90	13	11	10 1/4	67	80	53.33	....
2	20	150	17	12 3/4	12 1/4	98	124	80.00	....
3	36	270	24	15	16	213	231	133.34	....
4	72	540	29 1/4	18 1/2	20	400	430	266.67	....
6	120	900	36 3/4	24 1/2	24 1/2	800	835	466.67	....

All sizes of the Empire Meter arranged with the straight reading register are classified as the "AA" Empire. If required, we can supply the "AA" construction of the Empire Meter with the round dial. The Empire Meters fitted with the round dial are Class "A." Prices above apply to both the "A" and "AA" Empire.

The 3, 4 and 6-inch "AAX" Empire Meters are made with flanged ends, and the prices for cast iron connections are the same as given for the Crown.

WATER METERS

NASH



Plate 2602-H

GEM

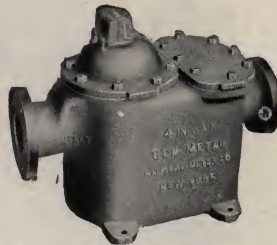


Plate 2603-H

NASH

Size Inches	GREATEST QUANTITY PER MINUTE		GENERAL DIMENSIONS INCHES			WEIGHT, POUNDS		Price Each	Price Con- nections
	Cu. Ft.	Gallons	Length	Height	Width	Net	Gross		
$\frac{5}{8}$	2	15	$7\frac{1}{4}$	$8\frac{3}{8}$	$5\frac{5}{8}$	13	18	10.67	.54
$\frac{3}{4}$	4	30	9	9	7	18	24	16.00	.80
1	8	60	11	10	$8\frac{5}{8}$	29	39	21.34	1.07
$1\frac{1}{2}$	12	90	13	$11\frac{1}{2}$	11	56	77	40.00	....
2	20	150	17	$12\frac{3}{8}$	13	90	118	66.67	....
3	36	270	24	$14\frac{1}{4}$	17	183	210	120.00	....
4	72	540	$29\frac{1}{4}$	19	21	325	385	233.34	....
6	120	900	$36\frac{3}{4}$	21	$26\frac{1}{4}$	660	715	433.34	....

Connections are made only for the $\frac{1}{2}$ or $\frac{5}{8}$ -inch, $\frac{3}{4}$ and 1-inch meters, and are always sent with these sizes unless advised to the contrary. These sizes are made with male threads, while the $1\frac{1}{2}$ and 2-inch meters have flanges. All threads are cut to fit standard pipe. The 3, 4 and 6-inch meters are made with flanges.

"A" Nash Meters with round dial or "AAX" with straight reading register furnished at above prices.

GEM

The Gem is a large delivery meter adapted for use on water supply mains, railroad standpipes, hydraulic elevators, etc. By its construction it affords a straight passageway for the water with no division or deflection of the current. The "AAX" and the regular Gem are the same in principle. The "AAX" Gem is fitted with a fish trap with blow-off so it may be cleaned out at any time.

Size Inches	GREATEST QUANTITY PER MINUTE		GENERAL DIMENSIONS INCHES			WEIGHT, POUNDS			Price Each
	Cu. Ft.	Gallons	Length	Height	Width	Net	Gross	Connections	
2	32	240	17	$17\frac{1}{4}$	$13\frac{5}{8}$	145	180	....	53.34
3	72	540	24	$19\frac{1}{2}$	$11\frac{1}{4}$	215	235	50	106.67
4	128	960	$29\frac{1}{4}$	$21\frac{3}{4}$	$16\frac{1}{4}$	417	443	75	213.34
6	288	2160	$36\frac{3}{4}$	$26\frac{1}{4}$	20	800	840	145	400.00
8	550	4125	40	$29\frac{1}{2}$	24	990	1035	260	533.34
10	800	6000	42	33	25	1410	1460	400	666.67
12	1000	7500	46	34	$25\frac{1}{2}$	1600	1675	560	800.00

The "AAX" Gem Meters in the 2, 3, 4 and 6-inch sizes are the same length from end to end as the Crown, Empire and Nash Meters. The connections referred to in the above table, for all sizes except the 2-inch (which is furnished with flanges), consist of one spigot end connection and one bell end connection, and they are included in the prices of the meter.

FIRE HYDRANTS

ECLIPSE ANTI-FREEZING

No. 2 FOR PRIVATE CORPORATIONS
1½-INCH



Plate 2604-H

2-INCH



Plate 2605-H

No. 4 DOUBLE-VALVE HYDRANT
FOR SPRINKLING PURPOSES



Plate 2606-H

No. 2. 1½-INCH INLET AND OUTLET

To Set in Ground.....feet	1½	2	3	4	5	6	8	10
Price.....each	16.30	16.45	16.80	17.15	17.50	18.00	19.50	22.00

No. 2. 2-INCH INLET AND OUTLET

To Set in Ground.....feet	1½	2	3	4	5	6	8	10
Price.....each	22.25	22.50	23.00	23.50	24.00	24.75	27.00	30.00

No. 4. 2-INCH INLET AND OUTLET

To Set in Ground.....feet	1½	2	3	4	5	6	8	10
Price.....each	28.25	28.50	29.00	29.50	30.00	30.75	33.00	36.00

No. 4. 2½-INCH INLET AND OUTLET

To Set in Ground.....feet	1½	2	3	4	5	6	8	10
Price.....each	32.25	32.50	33.00	33.50	34.00	34.75	37.00	40.00

The No. 2 hydrant is designed for private purposes, such as for stock yards, factories, lumber yards, railroads, fertilizing purposes, etc. The No. 4 hydrant is designed for sprinkling or other purposes, where hydrant is to be operated very often each day.

Unless otherwise ordered, inlet is made for wrought iron pipe.

FIRE HYDRANTS

ECLIPSE ANTI-FREEZING

No. 3



Plate 2607-H

STANDARD HYDRANT

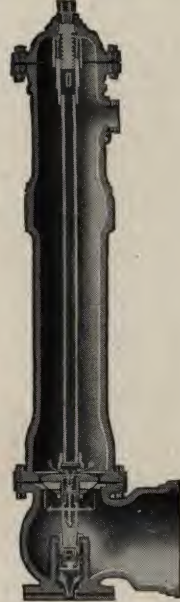


Plate 2608-H

No. 3

Diam. of Inlet Pipe Inches	Pave- ment to Center of Inlet Feet	One $2\frac{1}{2}$ -in. Hose Nozzle	Two $2\frac{1}{2}$ -in. Hose Nozzle	Three $2\frac{1}{2}$ -in. Hose Nozzle	One Steamer Nozzle	One Steamer and One $2\frac{1}{2}$ -in. Nozzle	One Steamer and Two $2\frac{1}{2}$ -in. Nozzle	Frost Case Standard Length	Each Ft. in Length of Stand- pipe Extra	Each Ft. in Length of Frost Case Extra
3	5	32.00	34.00	36.00	34.00	36.00	38.00	7.00	1.50	1.00
4	5	32.00	34.00	36.00	34.00	36.00	38.00	7.00	1.50	1.00
5	5	34.00	36.00	38.00	36.00	38.00	40.00	7.00	1.50	1.00
6	5	34.00	36.00	38.00	36.00	38.00	40.00	7.00	1.50	1.00

No. 6

6	5	47.00	49.00	51.00	49.00	51.00	53.00	10.00	2.25	2.00
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No. 10

6	5	47.00	49.00	51.00	49.00	51.00	53.00	10.00	2.25	2.00
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Nos. 6 and 10 hydrants are same as No. 3, except having a larger valve opening and standpipe.

Hydrants to be set 7 feet in the ground, or deeper are furnished with wrought iron standpipe in which event add 3.00 per foot to above list.

In ordering always give following information, viz.—

Whether wrought iron pipe thread, flange, bell or spigot connection. Size of bottom connection. Length from pavement to center of inlet. Size and form of nut to open hydrant. Whether to turn to right or left to open. Number and size of nozzles. Send hydrant cap or hose coupling for gauge of thread.

Unless otherwise ordered, hydrant thread will be made to open by turning to the left. Frost cases furnished if desired.

COMPRESSION FIRE HYDRANTS

TYPE A, No. 61



Plate 2609-H

Brass mounted, rubber valve, positive waste, closes against the pressure. Can be repaired without digging up. One hard vulcanized conical rubber washer controls the entire valve for both seat and waste, and will outlast any flexible washer. The hydrant wastes through a plain brass tube which extends through the valve seat and washer and is perforated above the valve seat near the level of the supply pipe. There are no small mechanisms or delicate contrivances to get out of order. When the valve is open the washer closes the perforations in waste tube, and when closed the compression on the seat prevents water from escaping through the seat and along the waste tube. The top operating mechanism is of the usual order, except that an extra nut is employed to bring the strain of screw shoulder when closing valve against metal instead of top packing. The seat and all metal operating mechanism are of best brass and gun metal. The clear waterway through seat is equal to area of inlet. Each hydrant is tested to 400 pounds pressure.

WHEN ORDERING

Give length from pavement to bottom, size of bottom connection, and whether bell, flange, or spigot. Size and shape of nut for wrench. With or without frost case. Number and size of hose and steamer nozzles. State if hydrants open by turning to right or left. Send hose coupling or nozzle cap for gauge of thread.

TYPE A, No. 71



Plate 2610-H

TYPE A, No. 61

Prices Based on a Length of 5 Feet from Pavement to Bottom of Inlet

Diameter of Valve Opening	3	3	4	4	5	6
Inside Diameter of Stand Pipe	45/8	45/8	53/4	53/4	7	8
Hub End, Bottom Connection	3	4	4	6	6	6
Price, with One 2 1/2-inch Nozzle	27.50	28.50	32.00	33.50	38.00	47.00
" " Two 2 1/2 " Nozzles	29.50	30.50	34.00	35.50	40.00	49.00
" " Three 2 1/2 " " .....	.....	.....	36.00	37.50	42.00	51.00
" " Four 2 1/2 " " .....	.....	.....	.....	.....	44.00	53.00
" " One Steamer Nozzle	29.50	30.50	34.00	35.50	40.00	49.00
" " " " and One 2 1/2-inch Nozzle	31.50	32.50	36.00	37.50	42.00	51.00
" " " " " Two 2 1/2 " Nozzles .....	.....	.....	38.00	39.50	44.00	53.00
" " " " " Three 2 1/2 " " .....	.....	.....	.....	.....	46.00	55.00
For Each 2 1/2-inch Independent Cut-Off Gate....add	8.50	8.50	8.50	8.50	8.50	8.50
" Secondary Gate and Valve Box	13.60	15.60	15.60	21.45	21.45	21.45
" Frost Case, Standard Length (5-foot)	6.00	6.00	7.00	7.00	8.00	9.00

For each 6 inches, increase or decrease in length, add or deduct from list:

Hydrant	each	.60	.60	.75	.75	.90	1.10
Frost Case	"	.25	.25	.40	.40	.50	.65
Valve Box	"	.15	.15	.15	.15	.15	.15

TYPE A, NO. 71—Designed for Private Corporations

To Set in Ground	feet	1 1/2	2	3	4	5	6	8	10
Price, 1 1/4-inch Inlet and Outlet	each	11.85	12.00	12.30	12.65	13.00	13.50	15.00	17.00
" 1 1/2 " " "	"	16.30	16.45	16.80	17.15	17.50	18.00	19.50	22.00
" 2 " " "	"	22.25	22.50	23.00	23.50	24.00	24.75	27.00	30.00

LUDLOW FIRE HYDRANTS

SLIDE GATE—RUBBER FACED



Plate 2611-H

Frost-proof, non-freezing, simple in construction and thoroughly bronze mounted. The hydrant gate is wedged squarely and firmly against a bronze seat without rubbing or grinding. The face of valve is of special high grade rubber, far superior to leather for this purpose. The valve seats are bronze. An absolutely dependable drain valve is in the extreme bottom of hydrant and cannot be clogged. A new patented device prevents flooding of streets and consequent damage if standpipe should be broken. When the hydrant is open the face of the rubber valve is protected from injury by gritty substances passing through. All working parts can be removed through top of hydrant and can be easily replaced. Standpipe is extra large and the waterway ample from inlet to nozzles. Closing the hydrant will not cause water hammer. The hydrant flushes itself clean and there is no pocket in which foreign substances can lodge and interfere with working parts. Every working part is substantial and there are no complicated small parts to wear out or break under strain.

In ordering, state the following: 1st, size of valve opening or inside diameter of standpipe; 2nd, length from surface of ground of bottom of connecting pipe; 3rd, size of bottom connecting pipe; 4th, whether hub or bell, flanged or screwed ends,—regular hydrants have hub or bell ends; 5th, number and size of nozzles; 6th, exact diameter of nozzle threads at top and bottom and number of threads to the inch, or send a nozzle cap, a hose coupling or a sample nozzle for size; 7th, size and style of nut for wrench—whether



Plate 2612-H

square, five-sided or otherwise, length on side and whether straight or taper; 8th whether to open by turning to left or to the right.

PRICES

Standard Length, 5 feet from Surface to Bottom of Connecting Pipe

Standpipe Diameter.....inches	3	4 $\frac{5}{8}$	5 $\frac{3}{4}$	5 $\frac{3}{4}$	6 $\frac{1}{4}$	7	8	8	10
Valve Opening....."	2	3	4	4	4 $\frac{1}{2}$	5	6	6	8
Bottom Connection, Hub....."	2	3 or 4	4	6	6	6	6	8	8 or 10
One 2 -inch Nozzle.....	17.00								
" 2 $\frac{1}{2}$ " ".....		28.00	31.00	31.50					
Two 2 $\frac{1}{2}$ " Nozzles.....			33.00	33.50	35.50	40.50	50.00	51.25	
Three 2 $\frac{1}{2}$ " ".....					37.50	42.50	52.00	53.25	
Four 2 $\frac{1}{2}$ " ".....						44.50	54.00	55.25	
Six 2 $\frac{1}{2}$ " ".....									130.00
One Steamer Nozzle.....			33.00	33.50	35.50	40.50	50.00	51.25	
One Steamer Nozzle and One 2 $\frac{1}{2}$ -in. Nozzle....each			35.00	35.50	37.50	42.50	52.00	53.25	
" " " Two 2 $\frac{1}{2}$ " Nozzles.....			37.00	37.50	39.50	44.50	54.00	55.25	
Add for Each 2 $\frac{1}{2}$ -inch Independent Nozzle Gates.....			4.50	4.50	4.50	5.00	5.00	5.00	6.00
Frost Case, Standard Lengths.....		4.50	5.00	5.00	5.60	6.50	7.50	7.50	11.00
For Each 6 in. More or Less than Std. Length of Frost Case, Add or Deduct.....		.44	.50	.50	.58	.70	.90	.90	1.30
For Each 6 in. More or Less than Std. Length of Standpipe, Add or Deduct.....		.45	.60	.75	.75	.80	.85	1.00	2.25

MURDOCK HYDRANTS AND STREET WASHERS

ANTI-FREEZING

COMPRESSION
HYDRANT



Plate 2613-H

SELF-CLOSING
HYDRANT



Plate 2614-H

STREET
WASHER



Plate 2615-H

COMPRESSION HYDRANTS

To Set in Ground.....feet	2	3	4	5	6
Price, 3/4-inch.....each	9.00	10.00	11.00	12.00	13.00
“ 1 “.....“	11.50	12.50	13.50	14.50	15.50

SELF-CLOSING HYDRANTS

To Set in Ground.....feet	2	3	4	5	6
Price, 3/4-inch.....each	11.00	12.00	13.00	14.00	15.00

STREET WASHERS

To Set in Ground.....feet	2	3	4	5	6
Price, 3/4-inch.....each	8.00	8.50	9.50	10.50	11.50
“ 1 “.....“	9.00	10.00	11.00	12.00	13.00

In ordering, be careful to give length and whether wanted for lead or iron pipe.

MURDOCK HYDRANT AND STREET WASHER REPAIRS

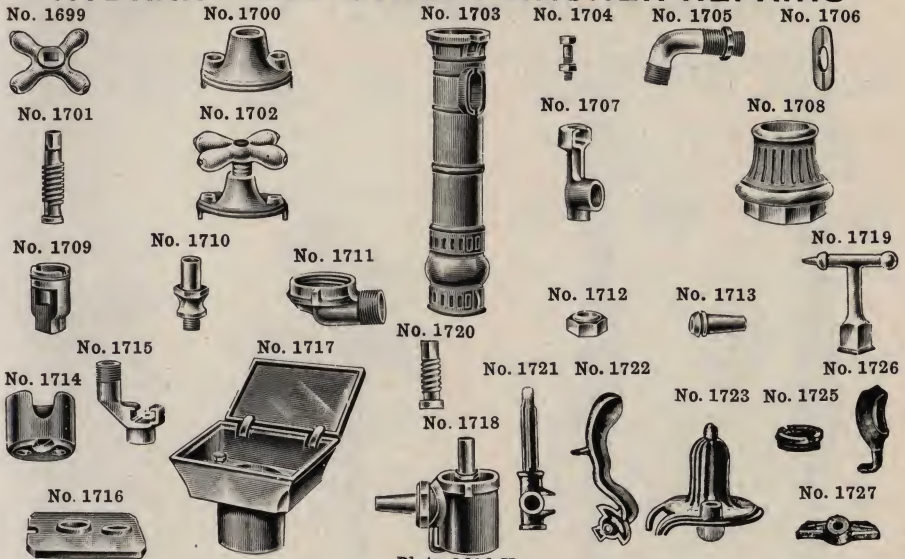


Plate 2616-H

No.	Name of Part	$\frac{3}{4}$ -in.	1-in.
1699	Hydrant Handles .....	.12	.15
1700	“ Top .....	.25	.30
1701	“ Screw .....	.40	.40
1702	“ Top Complete .....	.75	.85
1703	“ Stock .....	.60	1.00
1704	“ Bolt and Nut .....	.10	.10
1705	“ Nozzle and Locknut .....	.30	.50
1706	“ Slide .....	.05	.05
1707	“ Stirrup and Tee .....	.25	.50
1708	“ Base .....	.25	.25
1709	Valve Body for Hydrant or Street Washer .....	.75	.90
1710	“ Stem “ “ “ “ .....	.40	.50
1711	Bottom Connection for Hydrant or Street Washer .....	.30	.40
1712	Tail Nut for Hydrant or Street Washer .....	.10	.12
1713	“ Coupling for Hydrant or Street Washer .....	.40	.50
1714	Shoe for Hydrant or Street Washer .....	.10	.10
1715	Street Washer Stirrup .....	.50	.70
1716	“ Plate .....	.25	.30
1717-1	“ “ Lid only .....	.25	.30
1717-2	“ “ Top “ .....	.50	.75
1718	Bottom Complete for Hydrant or Street Washer	1.35	1.70
1719	Street Washer Keys	1.50	1.50
1720	“ Screws .....	.30	.30
1721	Stirrup and Tee for Self-Closing Hydrant .....	.60	....
1722	Lever for Self-Closing Hydrant .....	.50	....
1723	Top “ “ “ “ .....	.50	....
1724	Spring “ “ “ “ (not illustrated) .....	.50	....
1725	Packing Nut for Hydrant or Street Washer .....	.15	.15
1726	Clamp “ “ “ “ “ .....	.15	.15
1727	Angle Plate for Street Washer .....	.10	.10
....	Valve Packing, consisting of Cup Leather, Washer and Seat Leather	1.50	2.00

TOTAL ECLIPSE
HYDRANTS AND STREET WASHERS

No. 1 HYDRANT No. 7 SELF-CLOSING HYDRANT



Plate 2617-N



Plate 2618-H

No. 36 STREET WASHER



Plate 2619-H

WALL HYDRANT



Plate 2620-H

Size.....inches	3/4	1	1 1/4	3/4	1	1 1/4	3/4	1	1 1/4	3/4	1	1 1/4
Length .....feet	1 1/2	1 1/2	1 1/2	2	2	2	3	3	3	4	4	4
Price, No. 1 each	9.80	12.70	19.70	10.10	13.50	20.50	10.60	14.30	21.80	11.00	14.75	22.25
" " 7 "	10.80	13.70	....	11.10	14.50	....	11.60	15.30	....	12.00	15.75	....
" " 36 "	6.60	9.50	18.00	6.85	10.25	18.75	7.35	11.10	20.10	7.75	11.70	20.70

Size.....inches	3/4	1	1 3/4	3/4	1	1 1/4	3/4	1	1 1/4	3/4	1	1 1/4
Length .....feet	5	5	5	6	6	6	8	8	8	10	10	10
Price, No. 1 each	11.50	15.30	22.80	12.10	16.00	23.75	13.50	18.50	27.00	16.00	21.00	30.00
" " 7 "	12.50	16.30	....	13.10	17.00	....	14.50	19.50	....	17.00	22.00	....
" " 36 "	8.25	12.00	21.00	8.85	12.75	21.75	10.25	15.25	25.25	12.75	17.75	28.75

STRAIGHT NOZZLE WALL HYDRANTS

Thickness of Wall.....inches	9	13	15	16	18	20	22	24	26	28	30	36
Price, 3/4-in. Brass, Pol...each	3.50	4.00	4.25	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.50
" 3/4 " " N. P. . . "	4.25	4.75	5.00	5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.25
" 1 " " Pol. . . . "	7.00	8.00	8.50	8.75	9.00	9.50	9.75	10.00	10.25	10.50	10.75	11.25
" 1 " " N. P. . . "	8.00	9.00	9.50	9.75	10.00	10.50	10.75	11.00	11.25	11.50	11.75	12.25

These hydrants have all brass body compression valve.

They can be repaired without disturbing pipe connections, by removing lock nut at front and pulling out plunger.

TOTAL ECLIPSE HYDRANT AND STREET WASHER REPAIRS

No. 115 No. 124 No. 130 No. 134 No. 137 No. 141 No. 159 No. 164 No. 182



No. 300 No. 305 No. 315 No. 318 No. 320 No. 325 No. 327 No. 328



No. 330 No. 334 No. 335 No. 338 No. 340 No. 342 No. 400



No. 404 No. 408 No. 415 No. 418 No. 430 No. 434



Plate 2621-H

No. 115 Sand Cups for $\frac{3}{4}$ -in. Hydrant or St. Washers .ea.	.20	No. 326 Top Valve Plunger Cup Washer for 1-in. Hydrant.....ea.	.20
" 116 " " " 1 " " " " "	.30	" 327 Small Valve Plunger Cup Washer for $\frac{3}{4}$ -in. Hydrant or St. Washer..... "	.10
" 117 " " " $1\frac{1}{4}$ " " " " "	.50	" 327A Same for 1-in. Hydrant or St. Washer " "	.15
" 124 Caps for $\frac{3}{4}$ -in. Comp. Hydrants "	.15	" 327B Same for $1\frac{1}{4}$ -in. Hydrant or St. Washer " "	.20
" 125 " " 1 and $1\frac{1}{4}$ -in. Comp. Hydrants "	.25	" 328 Flat Valve Washer for $\frac{3}{4}$ -in. Hydrant or St. Washers... "	.06
" 130 Cap, Handle and Screw for $\frac{3}{4}$ -in. Comp. Hyds. "	.70	" 329 Same for 1-in. Hydrants or St. Washers "	.08
" 131 " " " 1 & $1\frac{1}{4}$ " " " " "	1.00	" 329A Same for $1\frac{1}{4}$ -in. Hydt. or St. Washers " "	.10
" 134 Handles for $\frac{3}{4}$ -in. Comp. Hydrants "	.20	" 330 Street Washer Box, $\frac{3}{4}$ -in.... "	.50
" 135 " " 1 and $1\frac{1}{4}$ -in. Comp. Hyds... "	.20	" 332 " " " 1 " " " "	.70
" 137 Screws for $\frac{3}{4}$ -in. Comp. Hydrants "	.35	" 333 " " " $1\frac{1}{4}$ " " " "	1.00
" 138 " " 1 and $1\frac{1}{4}$ -in. Comp. Hyds. "	.35	" 334 St. Washer Plate, Nozzle and Screw $\frac{3}{4}$ -in. "	1.50
" 141 " " $\frac{3}{4}$ -in. Comp. Street Washers "	.35	" 335 " " " $\frac{3}{4}$ -in..... "	.20
" 142 " " 1 & $1\frac{1}{4}$ -in. Comp. S't Wash's.. "	.35	" 338 " " Cap $\frac{3}{4}$ " " " " "	.10
" 159 Keys for $\frac{3}{4}$, 1 & $1\frac{1}{4}$ -in. Street Washers "	.20	" 340 " " Br. Nozzle Section, $\frac{3}{4}$ -in. "	.50
" 164 Brass Coupling for $\frac{3}{4}$ Hyds. & St. Washers "	.30	" 342 " " Neck $\frac{3}{4}$ -in..... "	.30
" 165 " " " 1 " " " " "	.40	" 400 Hydt. Cap & Catch for $\frac{3}{4}$ -in. S. C. Hydt.. "	.50
" 166 " " " $1\frac{1}{4}$ " " " " "	.50	" 401 " " " 1 " " " " "	.60
" 182 Hydrant Casing for $\frac{3}{4}$ -in. Hydrant (Half) "	.60	" 404 " H'dle & Screw $\frac{3}{4}$ " " " " "	.50
" 183 " " " 1 " " " " "	.75	" 405 " " " 1 " " " " "	.60
" 184 " " " $1\frac{1}{4}$ " " " " "	1.00	" 408 " Stem. for $\frac{3}{4}$ -in. S. C. Hydrant... "	.50
" 300 Valve Body for $\frac{3}{4}$ -in. Comp. Hydt. or St. W. "	1.25	" 409 " " 1 " " " " " "	.60
" 301 " " " 1-in. Hydrant " " " " "	1.75	" 415 Steel Spring for $\frac{3}{4}$ -in. S. C. Hydrant.. "	.20
" 305 " Plunger for $\frac{3}{4}$ -in. Comp. Hydt. or St. W. "	.50	" 416 " " " 1 " " " " "	.30
" 306 " " 1-in. Hydrant "	.75	" 418 Rubr B'll Seat $\frac{3}{4}$ " " " " "	.20
" 315 Nozzle Section for $\frac{3}{4}$ -in. Comp. or S. C. Hydt. "	.60	" 419 " " " 1 " " " " "	.25
" 316 " " " 1 " " " " "	.70	" 430 Valve Body $\frac{3}{4}$ " " " " "	1.25
" 318 Br. Nozzle Coupling for $\frac{3}{4}$ -in. Comp. Hydt. "	.45	" 431 " " " 1 " " " " "	1.75
" 319 " " " 1 " " " " "	.60	" 434 " Plunger $\frac{3}{4}$ " " " " "	.75
" 320 Nozzle & Plate for $\frac{3}{4}$ -in. Comp. or S. C. Hydt. "	.40	" 435 " " " 1 " " " " "	1.00
" 321 Same for 1-in. Comp. or S. C. Hydrant... "	.50		
" 325 Top Valve Plunger Cup Washer for $\frac{3}{4}$ -in. Hydrant or St. Washer "	.15		

McNAMARA HYDRANTS AND STREET WASHERS

No. 1 HYDRANT

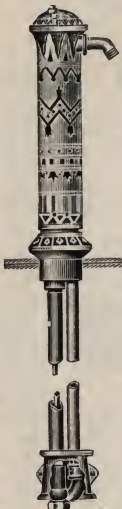


Plate 2622-H

No. 2 HYDRANT



Plate 2623-H

No. 5 HYDRANT



Plate 2624-H

No. 3 STREET WASHER



Plate 2625-H

Size.....inches	3/4	1	3/4	1	3/4	1	3/4	1
To Set in Ground.....feet	3	3	4	4	5	5	6	6
Price, No. 1 Hydrant.....each	5.40	....	5.80	....	6.30	....	6.90	....
“ “ 2 “ “ “ “	3.90	6.00	4.30	6.50	4.70	7.00	5.25	7.50
“ “ 5 “ “ “ “	4.40	....	4.80	....	5.25	....	5.75	....
“ “ 3 Street Washer “	3.90	6.00	4.30	6.50	4.70	7.00	5.25	7.50

Hydrants and street washers made regularly for iron pipe; lead pipe connections extra. In ordering, state whether for lead or iron pipe.

HYDRANT REPAIRS

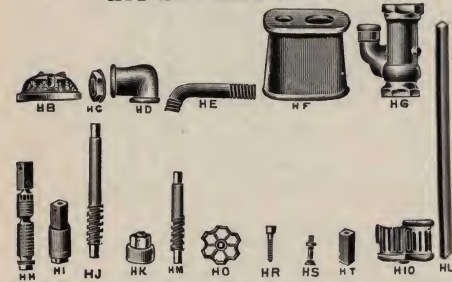


Plate 2627-H

STREET WASHER REPAIRS

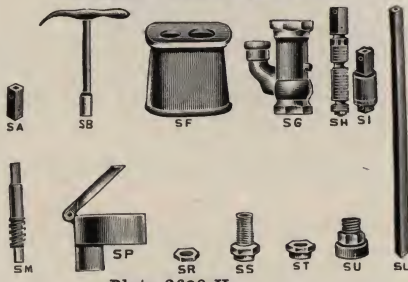
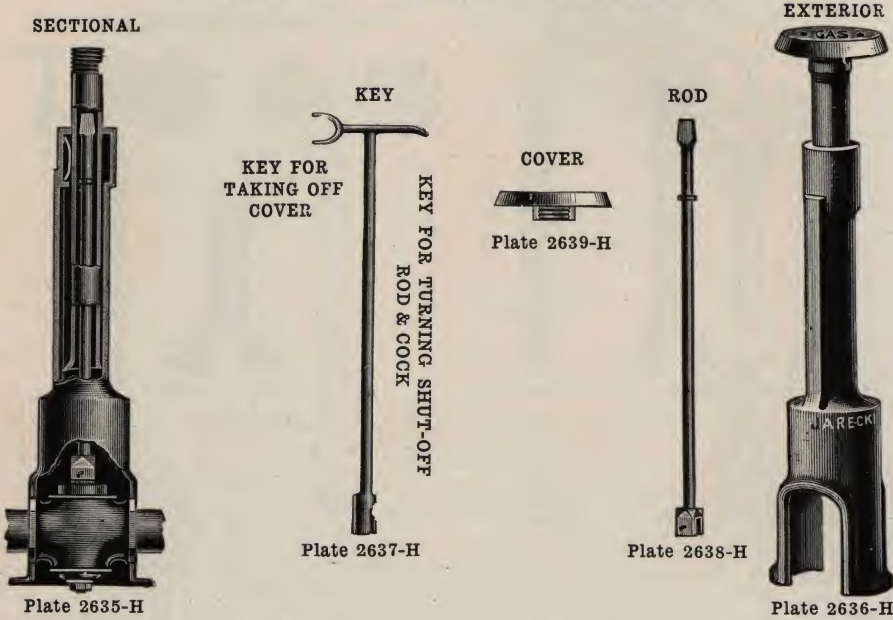


Plate 2628-H

Number....	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HO	HR	HS
Price..each	.25	.15	.15	.25	.20	1.00	.50	.30	.30	.35	.15	.30	.10	.10	.05
Number....	HT	H10	SA	SB	SF	SG	SH	SI	SL	SM	SP	SR	SS	ST	SU
Price..each	.05	.40	.05	.10	.20	1.00	.50	.30	.15	.30	.50	.15	.25	.25	.35

Prices on parts HL and SL are for per foot. Double above list for parts for 1-inch hydrants and washers. Hydrant posts, for No. 1, each, 1.40; for No. 5, .80

JARECKI SERVICE BOXES



FOR COCKS ½ AND ¾-IN.			FOR COCKS ¾ AND 1-IN.			FOR COCKS 1¼ AND 1½-IN.			FOR COCKS 2-IN.		
No.	Extension Inches	Price Each	No.	Extension Inches	Price Each	No.	Extension Inches	Price Each	No.	Extension Inches	Price Each
1	12to18	.90	17	12to18	.90	33	12to18	.90	49	12to18	1.00
2	14 " 24	.95	18	14 " 24	.95	34	14 " 24	.95	50	14 " 24	1.05
3	18 " 28	1.00	19	18 " 28	1.00	35	18 " 28	1.00	51	18 " 28	1.10
4	22 " 32	1.00	20	22 " 32	1.00	36	22 " 32	1.00	52	22 " 32	1.10
5	26 " 36	1.05	21	26 " 36	1.05	37	26 " 36	1.05	53	26 " 36	1.15
6	20 " 36	1.05	22	20 " 36	1.05	38	20 " 36	1.05	54	20 " 36	1.15
7	25 " 41	1.10	23	25 " 41	1.10	39	25 " 41	1.10	55	25 " 41	1.20
8	30 " 46	1.10	24	30 " 46	1.10	40	30 " 46	1.10	56	30 " 46	1.20
9	35 " 51	1.15	25	35 " 51	1.15	41	35 " 51	1.15	57	35 " 51	1.25
10	40 " 56	1.20	26	40 " 56	1.20	42	40 " 56	1.20	58	40 " 56	1.30
11	45 " 61	1.25	27	45 " 61	1.25	43	45 " 61	1.25	59	45 " 61	1.35
12	50 " 66	1.25	28	50 " 66	1.25	44	50 " 66	1.25	60	50 " 66	1.35
13	55 " 72	1.30	29	55 " 72	1.30	45	55 " 72	1.30	61	55 " 72	1.40
14	60 " 76	1.30	30	60 " 76	1.30	46	60 " 76	1.30	62	60 " 76	1.40
15	65 " 81	1.35	31	65 " 81	1.35	47	65 " 81	1.35	63	65 " 81	1.45
16	70 " 86	1.40	32	70 " 86	1.40	48	70 " 86	1.40	64	70 " 86	1.50
16½	80 " 96	1.55	32½	80 " 96	1.55	48½	80 " 96	1.55	65	80 " 96	1.65

EXTRA PARTS

Price, Rods, for Boxes 18 to 56 inches Long.....	each	.25
" " " " 61 " 96 "	"	.30
" Covers.....	"	.25
" Keys, 24 inches Long.....	"	.20
" " 24 " " with Long "T" Handle	"	.35

Always specify if covers are to be marked "gas" or "water."

VALVE BOX



Plate 2640-H

VALVE BOXES

SQUARE HEAD FOR VALVE BOX



Plate 2641-H

EXTENSION SECTION



Plate 2642-H

REGULAR COVERS



Plate 2643-H



Plate 2644-H

FLANGED COVER



Plate 2645-H

LOCK COVER



Plate 2646-H

VALVE BOXES

5¼-INCH SHAFT, NO. 6 BASE

Number	AAA	AA	A	B	C	CC
Extension .....inches	17	22-28	28-40	36-48	42-54	48-60
Price .....each	2.70	3.10	3.25	3.40	3.55	3.75
Number	D	DD	E	F	G	H
Extension .....inches	42-66	48-72	60-72	60-84	72-84	72-96
Price .....each	3.90	4.10	4.20	4.35	4.55	4.75

Square head valve boxes, same price as above.

EXTENSION SECTIONS

Number	58
Increasing Length of Box .....inches	14
Price (Size, 5¼ inches) .....each	.80

BASES FOR VALVE BOXES

Style of Base....	No. 4, Round For 4-Inch Valves	No. 6, Round For 6 and 8-Inch Valves	No. 8, Round For 10-inch Round Valves	No. 16, Round For 12 and 16-inch Round Valves	No. 160, Oval For 10, 12, and 16-inch Oval Valves	No. 162, Oval For 18 and 20-inch Oval Valves
	Deduct from Net Price of Box	Included in Net Price of Box	Add to Net Price of Box	Add to Net Price of Box	Add to Net Price of Box	Add to Net Price of Box
Price, each	.25	.....	.25	1.25	.35	1.25

COVERS FOR VALVE BOXES

Price, Regular, Flanged	each	.45
" Lock	"	.75

ROADWAY BOXES

ROUND HEAD
OPEN BASE

Plate 2647-H

ROUND HEAD
FLANGED BASE

Plate 2648-H

SQUARE HEAD
OPEN BASE

Plate 2649-H

PLUG
COVER

Plate 2650-H

LOCK COVER



Plate 2651-H

ROUND HEAD, 4 1/4-INCH SHAFT, OPEN BASE

Number	141Q	142Q	142R	143R	144R	145R
Extension .....inches	18-24	27-34	27-42	34-48	39-54	46-60
Price.....each	1.85	2.00	2.20	2.30	2.40	2.50

ROUND HEAD, 4 1/4-INCH SHAFT, FLANGED BASE

Number	41Q	42Q	42R	43R	44R	45R
Extension .....inches	18-24	27-34	27-42	34-48	39-54	46-60
Price.....each	1.85	2.00	2.20	2.30	2.40	2.50

SQUARE HEAD, 4 1/4-INCH SHAFT, OPEN BASE

Number.....	137	142	140U	141S	142S	142T
Extension.....inches	12 in. Long	16 in. Long	18-25	21-31	25-35	29-42
Price.....each	1.65	1.75	1.85	1.95	2.10	2.20

SQUARE HEAD, 4 1/4-INCH SHAFT, FLANGED BASE

Number.....	120	121	122	123	124	125
Extension.....inches	12 in. Long	16 in. Long	18-24	21-31	27-36	29-42
Price.....each	1.65	1.75	1.85	1.95	2.10	2.20

EXTENSION SECTIONS

Number.....	49
Increases Length of Box .....inches	18
Price.....each	.70

COVERS FOR ROADWAY BOXES

Price, Plug Covers	each	Net
" Lock "	"	"

CAST IRON PIPE STANDARD



Plate 2652-H

STANDARD THICKNESS AND WEIGHTS OF CAST IRON PIPE BELL AND SPIGOT PIPE. TURNED AND BORED PIPE.

All lengths to lay 12 feet. All weights are approximate; those per foot include allowance for bell. All pipe is tested by water pressure. Turned and bored pipe made to order only.

Nominal Inside Diameter Inches	CLASS A GAS 100-foot Head 43 Pounds Pressure		CLASS B STANDARD 200-foot Head 86 Pounds Pressure		CLASS C MEDIUM HEAVY 300-foot Head 130 Pounds Pressure		CLASS D EXTRA HEAVY 400-foot Head 173 Pounds Pressure	
	Thick- ness Inches	Weight per Foot Pounds	Thick- ness Inches	Weight per Foot Pounds	Thick- ness Inches	Weight per Foot Pounds	Thick- ness Inches	Weight per Foot Pounds
3	.39	14.5	.42	16.2	.45	17.1	.48	18.0
4	.42	20.0	.45	21.7	.48	23.3	.52	25.0
6	.44	30.8	.48	33.3	.51	35.8	.55	38.3
8	.46	42.9	.51	47.5	.56	52.1	.60	55.8
10	.50	57.1	.57	63.8	.62	70.8	.68	76.7
12	.54	72.5	.62	82.1	.68	91.7	.75	100.0
14	.57	89.6	.66	102.5	.74	116.7	.82	129.2
16	.60	108.3	.70	125.0	.80	143.8	.89	158.3
18	.64	129.2	.75	150.0	.87	175.0	.96	191.7
20	.67	150.0	.80	175.0	.92	208.3	1.03	229.2
24	.76	204.2	.89	233.3	1.04	279.2	1.16	306.7
30	.88	291.7	1.03	333.3	1.20	400.0	1.37	450.0
36	.99	391.7	1.15	454.2	1.36	545.8	1.58	625.0
42	1.10	512.5	1.28	591.7	1.54	716.7	1.78	825.0
48	1.26	686.7	1.42	750.0	1.71	908.3	1.96	1050.0
54	1.35	800.0	1.55	933.3	1.90	1141.7	2.23	1341.7
60	1.39	916.7	1.67	1104.2	2.00	1341.7	2.38	1583.3
72	1.62	1283.4	1.95	1545.8	2.39	1904.2	....	.....
84	1.72	1633.4	2.22	2104.2	....	.....	....	.....

FLANGED WATER PIPE

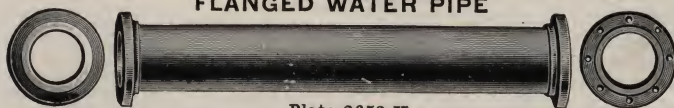


Plate 2653-H

Flanged Cast Iron Pipe, sizes 3 to 48 inches, same thickness as Standard Pipe. Thickness of flange equals approximately $1\frac{1}{4}$ times thickness of pipe, plus $\frac{1}{8}$ inch. Pipe made in 12-foot lengths and faced $\frac{1}{16}$ inch short for gaskets.

APPROXIMATE WEIGHTS OF LEAD AND HEMP REQUIRED FOR JOINTS

Pipe .....inches	3	4	6	8	10	12	14	16	18	20
Lead, 2 inches Thick....pounds	6	7.5	10.25	13.25	16	19	22	30	33.8	37
Hemp....."	.18	.21	.31	.44	.53	.61	.81	.94	1	1.25
Pipe .....inches	24	30	36	42	48	54	60	72	84	....
Lead, 2 inches Thick....pounds	44	54.25	64.75	75.25	85.5	97.6	108.30	128	147	....
Hemp....."	1.50	2.06	3	3.62	4.37	6.25	8.25	12.5	15	....

Inquiries and orders should clearly indicate the approximate number of lengths or feet of pipe of each size and class required. Give the desired delivery point and time of shipment, with any particulars as to sizes required first, the service intended, etc.; this will facilitate prompt attention and avoid delays.

SPECIALS FOR CAST IRON PIPE

QUARTER BEND



Plate 2654-H

EIGHTH BEND



Plate 2655-H

SIXTEENTH
BEND

Plate 2656-H

TEE



Plate 2657-H

CROSS



Plate 2658-H

QUARTER BENDS, 90°

Size.....inches	3	4	6	8	10	12	14	16	18	20	24	30	36
Weight.....pounds	45	82	130	200	278	366	504	750	888	1070	1656	2836	4820

EIGHTH BENDS, 45°

Size.....inches	3	4	6	8	10	12	14	16	18	20	24	30	36
Weight.....pounds	50	66	105	150	202	265	442	558	663	964	1515	2291	4012

SIXTEENTH BENDS, 22½°

Size.....inches	3	4	6	8	10	12	14	16	18	20	24	30	36
Weight.....pounds	50	66	105	150	202	265	382	484	574	858	1372	2080	4012

TEES

Size Inches	Weight Pounds	Size Inches	Weight Pounds	Size Inches	Weight Pounds	Size Inches	Weight Pounds
3x3x3	94	8x 8x 4	255	12x12x10	491	16x16x12	861
4x4x4	128	10x10x10	395	12x12x 8	474	20x20x20	1438
6x6x6	200	10x10x 8	371	12x12x 6	458	24x24x24	2113
6x6x4	183	10x10x 6	352	12x12x 4	445	30x30x30	3660
8x8x8	294	10x10x 4	338	14x14x14	724	36x36x36	5567
8x8x6	270	12x12x12	512	16x16x16	969	48x48x48	....

CROSSES

Size Inches	Weight Pounds	Size Inches	Weight Pounds	Size Inches	Weight Pounds	Size Inches	Weight Pounds
3x3x3x3	125	8x 8x 4x 4	294	12x12x10x10	577	18x18x18x18	1454
4x4x4x4	166	10x10x10x10	493	12x12x 8x 8	545	20x20x20x20	1828
6x6x6x6	257	10x10x 8x 8	443	12x12x 6x 6	512	24x24x24x24	2694
6x6x4x4	221	10x10x 6x 6	406	12x12x 4x 4	486	30x30x30x30	4609
8x8x8x8	372	10x10x 4x 4	377	14x14x14x14	963	36x36x36x36	6857
8x8x6x6	325	12x12x12x12	623	16x16x16x16	1259	48x48x48x48	....

SLEEVE



Plate 2659-H

PLUG



Plate 2660-H

CAP



Plate 2661-H

Size.....inches	3	4	6	8	10	12	14	16	18	20	24	30	36	48
Weight, Sleeves.....pounds	40	61	87	119	176	223	280	443	518	625	821	1262	1772	2879
“ Plugs..... “	...	8	14	24	38	50	65	96	121	156	472	723	1050	2047
“ Caps..... “	...	26	40	59	81	104	149	198	242	308	442	704	1084	2341

"V & K" WATER MOTOR PUMPS**STYLE DA****Plate 2662-H**

These water motor pumps or water lifts are operated by city water pressure or pressure from pneumatic water supply systems, and are used for pumping soft or rain water from cistern to the residence for bath room, kitchen and laundry purposes. They are adaptable only in those localities where the city or artesian water is hard or otherwise unfit for use in the residence and where soft or rain water is used.

They are duplex, entirely automatic in operation and have only four moving parts.

Style DA motors are fitted with the "V & K" Positive Shut-off, "V & K" Air Separator and a full set of brass union fittings.

STYLE DA, WITH HAND-OPERATED AIR COMPRESSOR**Plate 2663-H**

Plate 2663-H is exactly same as Plate 2662-H, except that it is equipped with the hand-operated air compressor.

The "V & K" Air Separator and "V & K" Hand-Operated Air Compressor are exclusive features of the "V & K" Pumps. They eliminate more than 50 per cent of the wear and tear on the pumps, besides eliminating altogether the water-logging of the compression tanks.

This air compressor may be attached to any "V & K" Pump already installed.

Be sure to get the lowest city water pressure at the point where pump is to be located, then choose the proper size pump for that pressure.

Size No.	Water Pressure Required Pounds	SIZE OF PIPES TO USE, INCHES				PRICE, EACH		Price, Air Compressor only
		Supply	Exhaust	Suction	Discharge	Without Air Compressor	With Air Compressor	
4	40 and above	1/2	3/4	1	3/4	56.00	60.00	9.00
5	15 " "	3/4	3/4	3/4	1/2	56.00	60.00	9.00
6	25 " "	3/4	3/4	1	3/4	56.00	60.00	9.00
7	65 " "	1/2	3/4	1	3/4	56.00	60.00	9.00

“V & K” WATER MOTOR PUMPS

STYLE DE



Plate 2664-H

Style DE is also equipped with “V & K” Air Separator, “V & K” Economy Valve, V & K Hand-Operated Air Compressor and a full set of brass union fittings.

STYLE D

Style D pump is designed for use on all open tank soft water systems. It is equipped with the “V & K” Pressure Regulator and a full set of brass union fittings.

This pump may be used with either plain open tank system where the city water exhaust is piped to the sewer and wasted, or with the “V & K” Open Tank Economy System where the city water exhaust is piped to the house fixtures and utilized for flushing closets, etc.

The Style DE pump is for use only with the “V & K” Economy System. This system is equipped with the “V & K” Economy Valve which prevents all waste of city water and makes possible the direct pressure soft water system without cost for city water used to operate it.

The valve operates as follows: The hard water waste from the motor pump is piped to the hard water fixtures in the residence and is used for flushing closets, etc. As hard water is used, the motor pump operates, pumping soft water into the compression tank until a certain pre-determined pressure is developed, then the hard water is automatically by-passed around the motor pump. It will be seen, therefore, that the motor pump operates only that part of the time necessary to supply the soft water demand, and that the system operates without any expense whatever.

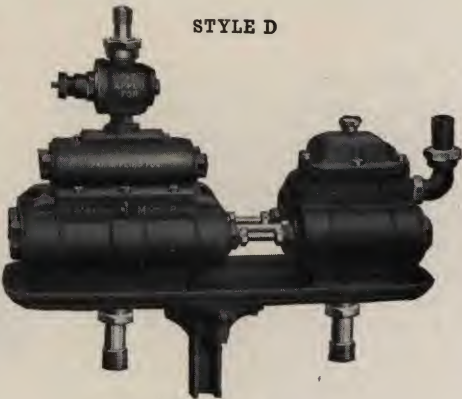


Plate 2665-H

Size No.	WATER PRESSURE REQUIRED, POUNDS			SIZE OF PIPES TO USE, IN.				PRICE, EACH		Price Air Compressor only
	Style DE	Style D for Plain Open Tank System	Style D for Open Tank Economy System	Supply	Exhaust	Suction	Dis-charge	Style DE	Style D	
4	60 and above	25 and above	40 and above	1/2	3/4	1	3/4	64.00	52.00	9.00
5	25 " "	8 " "	15 " "	3/4	3/4	3/4	1/2	64.00	52.00	9.00
6	35 " "	15 " "	25 " "	3/4	3/4	1	3/4	64.00	52.00	9.00
7	.....	40 " "	.....	1/2	3/4	1	3/4	.....	52.00	9.00

Be sure to get the lowest city water pressure at the point where the pump is to be located, then choose the proper size pump for that pressure.

"V & K" WATER MOTOR PUMPS

SYSTEM WITH STYLE DA PUMP

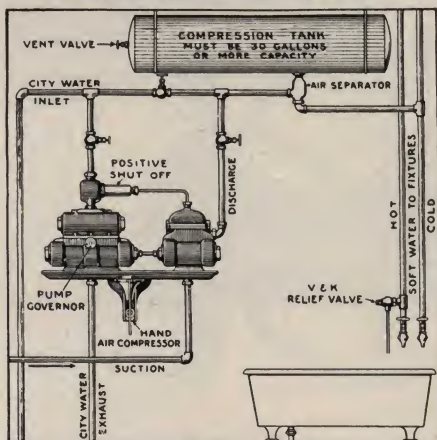


Plate 2666-H

SYSTEM WITH STYLE DE PUMP

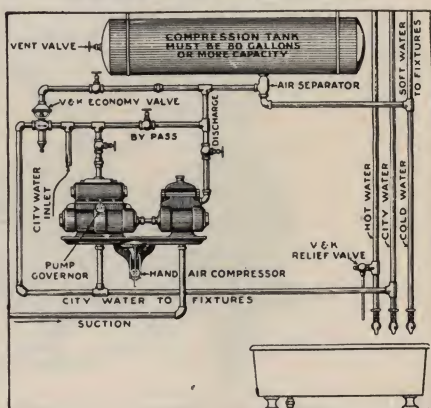


Plate 2667-H

Full instructions are furnished with each pump and should be followed carefully to get best results.

Plate 2666-H shows the correct method of installing "V & K" Direct Pressure Pumping System using Style DA pump. Nothing less than a 30-gallon compression tank should be used. If more than one bath room is to be supplied figure on 30 gallons in tank capacity for each additional bath, and for shower bath even greater capacity is necessary.

Plate 2667-H shows correct method for installing "V & K" Economy System using Style DE pump.

SYSTEM WITH STYLE D PUMP

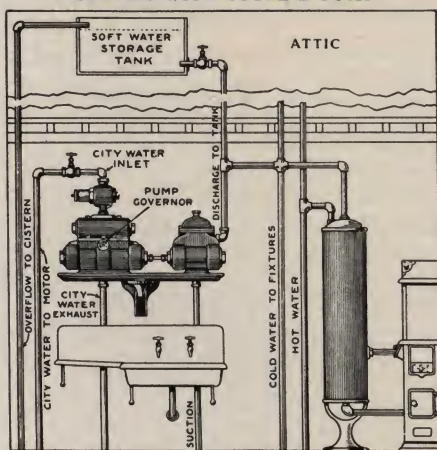


Plate 2668-H

A large sized compression tank is absolutely necessary to the successful operation of the "V & K" Economy System. Nothing less than an 80-gallon compression tank should be used, even on the smallest system, and for best results figure on 25 gallons in tank capacity for each member of the household. Example: For a family of 4, use a 100-gallon tank.

Plate 2668-H shows Style D pump installed on plain open tank system.

AMOUNT OF CITY WATER USED TO OPERATE "V & K" MOTOR PUMPS

Number of Pump	4	5	6	7
City Water req. to Pump 1 Gal. of Soft Water. . gals.	1	2½	1½	¾

"V & K" ELECTRIC WATER MOTOR PUMPS FOR DIRECT PRESSURE SYSTEMS

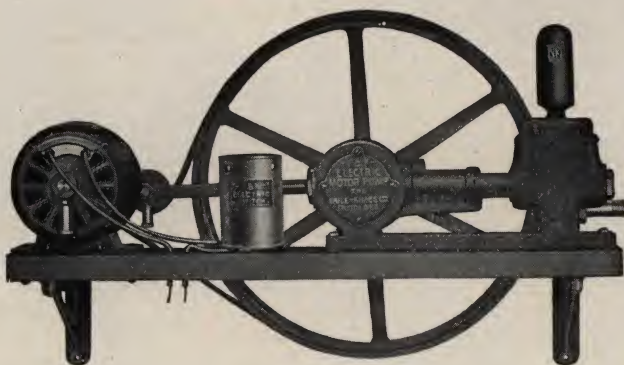


Plate 2669-H

The "V & K" Electric Motor Pump is a much more satisfactory device for soft water service than is the water motor pump or water lift, and for best results its use is recommended in preference to the water lift. This is particularly true in localities where the city water is low or varying or where it contains sulphur, alkali, grit or other substances which affect the working parts of the lift.

It maintains an even pressure at all times and is not affected by varying city water pressures as is the water lift. It is suitable for a vertical suction lift of 18 feet and a discharge pressure of 35 pounds or a head of 75 feet.

When the "V & K" Automatic Electric Switch stops the motor there is no further opportunity for waste, as is true with the ordinary water lift.

From actual service tests it was found that the "V & K" Electric Motor Pump will supply the average household with soft water at a cost of about 3 cents per month, or, based on a current rate of 10 cents per kilowatt hour, the cost of pumping is $6\frac{1}{2}$ cents per 1000 gallons in current consumed.

All working parts operate in an oil-tight, dustproof crank case in a bath of oil. One filling with oil will last a year in average service.

This outfit is suitable only for intermittent service and is not guaranteed for more than 2 hours' continuous operation. It is, therefore, not the outfit to use for well pumping unless it will be operated only for short periods at a time.

Gallons per hour, 180; pressure, 35 pounds; suction, $\frac{3}{4}$ -inch; discharge, $\frac{1}{2}$ -inch; length, 33 inches; width, 10 inches; height, 20 inches; weight, 130 pounds.

Price, No. 1A, Complete with Motor for 60-cycle, Single-phase, 110 or 220-volt Alternating Current.....	130.00
" No. 1B, Complete, with Motor for 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 220-volt Alternating Current.....	142.00
" No. 1C, Complete, with Motor for 30 or 60-volt Direct Current, for Operating from Farm Lighting Outfits.....	130.00
" No. 1D, Complete, with Motor for 110 or 220-volt Direct Current.....	115.00
" " 1E, " except without Motor or Motor Pulley	80.00

Prices include motor, pump and automatic electric switch all mounted on wood base, also air separator, air chamber for suction, special air pumping attachment and union connections for suction and discharge.

This outfit furnished on legs instead of brackets if desired.

"V & K" ELECTRIC WATER MOTOR PUMPS FOR OPEN TANK SYSTEMS

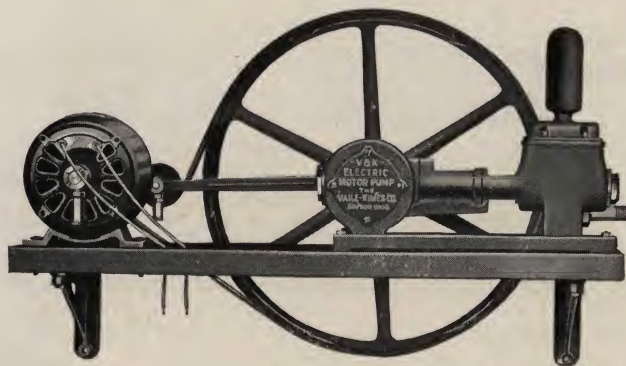


Plate 2670-H

This pump is same as that used for direct pressure systems, except that the direct pressure automatic switch is omitted. This outfit is used to pump soft water from a cistern or other source of supply into an open attic tank. This outfit may be made to operate automatically, if desired, by using the "V & K" Automatic Open Tank Switch listed below. It is suitable for a vertical suction lift of 18 feet and for a discharge pressure of 35 pounds or a head of 75 feet.

The outfit is for intermittent service only and is not guaranteed for more than 2 hours of continuous operation.

Gallons per hour, 180; feet head, 75 pounds; suction, $\frac{3}{4}$ -inch; discharge, $\frac{1}{2}$ -inch length, 33 inches; width, 10 inches; height, 20 inches; weight, 130 pounds.

Price, No. 2A, Complete, with Motor for 60-cycle, Single-phase, 110 or 220-volt Alternating Current.....	110.00
" No. 2B, Complete, with Motor for 25, 30, 40, 50, 125 or 133-cycle, Single-phase, 110 or 120-volt Alternating Current.....	122.00
" No. 2C, Complete, with Motor for 30 or 60-volt Direct Current, for Operating from Farm Lighting Systems.....	110.00
" No. 2D, Complete, with Motor for 110 or 120-volt Direct Current.....	95.00
" " 2E, " except without Motor or Motor Pulley.....	65.00

Above prices are for outfits without automatic electric switch.

Extra for open tank electric switch complete with float, rod, etc., suitable for motors up to $\frac{1}{2}$ horse power, 20.00.

Above prices include pump and motor mounted on wood base, also air chamber for suction and union connections for suction and discharge.

This outfit furnished on legs instead of brackets if desired.

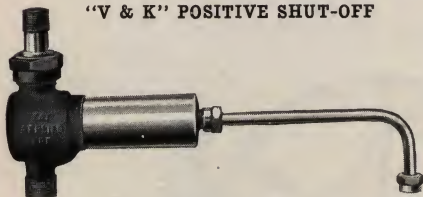
"V & K" WATER SYSTEM ACCESSORIES**"V & K" POSITIVE SHUT-OFF**

Plate 2671-H

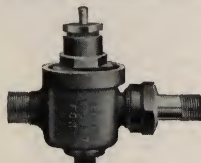
"V & K" PRESSURE REGULATOR

Plate 2672-H

The "V & K" Positive Shut-Off is for use on Style DA motor pumps. It automatically controls city water pressure on motor, starting and stopping it at minimum and maximum pressures at which it is set. All waste of city water is absolutely prevented. Price, 10.00.

The "V & K" Pressure Regulator is for controlling the operation of Style D pump. The regulator maintains a uniform speed regardless of any variations in city water pressure. Price, 6.00.

"V & K" ECONOMY VALVE**"V & K" PRESSURE INDICATOR****"V & K" AIR SEPARATOR**

Plate 2673-H



Plate 2674-H



Plate 2675-H

The "V & K" Air Separator, for use on direct pressure systems, effects a complete separation of air and water passing through pump and discharge pipe, diverting all the air to the top of tank. Price, 2.50.

The "V & K" Pressure Indicator was designed for use in testing water pressures. It is of special value in determining the water pressure available to operate water motor pumps, automatic heaters, etc., and also for use when making repairs on these devices. It is different from the pressure gauge, in that it is so arranged that it cannot be damaged by turning the pressure on to it suddenly as is the case with ordinary gauges. It is fitted with attachments for connecting to either plain or hose bibbs. Price, with leather case, 7.00.

The "V & K" Economy Valve is used on "V & K" Economy Systems and is a part of the equipment supplied with Style DE pump. This valve may be used in combination with other makes of pumps, but it is necessary to know the size of pump and the city water pressure required to operate it before changing system. Price, 15.00.

"V & K" PRESSURE RELIEF VALVE

Plate 2676-H

The "V & K" Pressure Relief Valve is for use on all closed tank systems as a positive safeguard against accidents from excessive pressures, caused by overheating of range boiler, weakening of fire back, etc. Set at 70 pounds, but may be adjusted to any point from 30 to 125 pounds. Threaded $\frac{3}{8}$ -inch iron pipe, waste $\frac{1}{4}$ -inch iron pipe. Price, 8.40.

THE IMPROVED TRIUMPH WATER LIFT

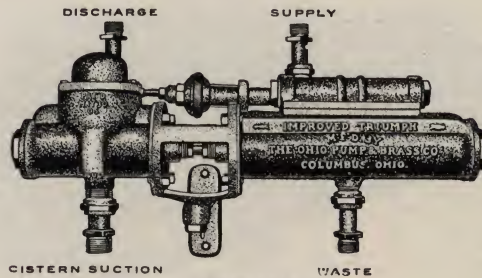


Plate 2677-H

Where in city water systems the water is hard or muddy or otherwise unfit for domestic purposes a water lift or motor pump may be employed to great advantage for furnishing good water where same is obtainable.

These lifts are operated by city water pressure and are designed to pump filtered or rain water from a cistern directly into the house pipes and plumbing fixtures, or into an attic storage tank.

They may also be used to increase or re-enforce the city pressure for the purpose of raising water to the top floors of high buildings.

Number	CYLINDER, INCHES		Stroke Inches	SIZE, OVER ALL			Weight Pounds	Price with Couplings and Strainers Each
	Power	Suction		Length Inches	Height Inches	Width Inches		
1	2 $\frac{1}{2}$	2	5	23	12	8	37	55.00
2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	5	23	12	8	38	55.00
3	3	2 $\frac{1}{2}$	5	23	12	8	38	55.00
4	3	2	5	23	12	8	38	55.00
5	2 $\frac{1}{2}$	3	5	23	12	8	40	60.00
6	3	3	5	23	12	8	41	60.00
8	4 $\frac{1}{2}$	3	5	23	14	9	55	90.00

LIFTS ADAPTED FOR CITY PRESSURE

City Water Pressure, pounds	25 to 40	40 to 60	20 to 35	15 to 25	60 or More	40 to 60	15 to 25
Number of Lifts to Use.....	1	2	3	4	5	6	8

SIZE OF PIPE TO USE

Number.....	1	2	3	4	5	6	8
Supply.....inches	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Waste....."	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Suction....."	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	1
Discharge....."	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$

Couplings furnished for either lead or iron pipe.

Couplings for iron pipe furnished unless otherwise ordered.

In ordering, be sure to specify whether lifts are wanted with or without automatic cut-off. If not specified, the regular model which has no cut-off will be sent.

STANDARD STEAM, GAS AND WATER PIPE

BLACK AND GALVANIZED



Plate 2700-H
As Adopted January 1, 1913

All Weights and Dimensions are Nominal

Size Inches	Price per Foot	DIAMETER INCHES		Thickness Inches	WEIGHT, PER FOOT POUNDS		Number of Threads per Inch
		External	Internal		Plain Ends	Threaded and Coupled	
1/8	.05 1/2	.405	.269	.068	.244	.245	27
1/4	.06	.540	.364	.088	.424	.425	18
3/8	.06	.675	.493	.091	.567	.568	18
1/2	.08 1/2	.840	.622	.109	.850	.852	14
3/4	.11 1/2	1.050	.824	.113	1.130	1.134	14
1	.17	1.315	1.049	.133	1.678	1.684	11 1/2
1 1/4	.23	1.660	1.380	.140	2.272	2.281	11 1/2
1 1/2	.27 1/2	1.900	1.610	.145	2.717	2.731	11 1/2
2	.37	2.375	2.067	.154	3.652	3.678	11 1/2
2 1/2	.58 1/2	2.875	2.469	.203	5.793	5.819	8
3	.76 1/2	3.500	3.068	.216	7.575	7.616	8
3 1/2	.92	4.000	3.548	.226	9.109	9.202	8
4	1.09	4.500	4.026	.237	10.790	10.889	8
4 1/2	1.27	5.000	4.506	.247	12.538	12.642	8
5	1.48	5.563	5.047	.258	14.617	14.810	8
6	1.92	6.625	6.065	.280	18.974	19.185	8
7	2.38	7.625	7.023	.301	23.544	23.769	8
8	2.50	8.625	8.071	.277	24.696	25.000	8
8	2.88	8.625	7.981	.322	28.554	28.809	8
9	3.45	9.625	8.941	.342	33.907	34.188	8
10	3.20	10.750	10.192	.279	31.201	32.000	8
10	3.50	10.750	10.136	.307	34.240	35.000	8
10	4.12	10.750	10.020	.365	40.483	41.132	8
11	4.63	11.750	11.000	.375	45.557	46.247	8
12	4.50	12.750	12.090	.330	43.773	45.000	8
12	5.07	12.750	12.000	.375	49.562	50.706	8
13	5.60	14.000	13.250	.375	54.568	55.824	8
14	6.10	15.000	14.250	.375	58.573	60.375	8
15	6.50	16.000	15.250	.375	62.579	64.500	8

The permissible variation in weight is 5 per cent above and 5 per cent below.

Furnished with threads and couplings and in random lengths, unless otherwise ordered.

For cut lengths, an extra charge will be made above random lengths.

For pipe smoothed on the inside, known as reamed and drifted, an extra charge will be made above standard pipe.

For galvanized or coated pipe, an extra charge will be made above black.

STEAM, GAS AND WATER PIPE**BLACK AND GALVANIZED**

All Weights and Dimensions are Nominal

Adopted January 1, 1913

EXTRA STRONG

Size Inches	Price per Foot	DIAMETER, INCHES		Thickness Inches	Weight, per Foot Plain Ends Pounds
		External	Internal		
$\frac{1}{8}$	.12	.405	.215	.095	.314
$\frac{1}{4}$	.07 $\frac{1}{2}$	.540	.302	.119	.535
$\frac{3}{8}$	.07 $\frac{1}{2}$	.675	.423	.126	.738
$\frac{1}{2}$	.11	.840	.546	.147	1.087
$\frac{3}{4}$	.15	1.050	.742	.154	1.473
1	.22	1.315	.957	.179	2.171
$1\frac{1}{4}$	.30	1.660	1.278	.191	2.996
$1\frac{1}{2}$	.36 $\frac{1}{2}$	1.900	1.500	.200	3.631
2	.50 $\frac{1}{2}$	2.375	1.939	.218	5.022
$2\frac{1}{2}$	.77	2.875	2.323	.276	7.661
3	1.03	3.500	2.900	.300	10.252
$3\frac{1}{2}$	1.25	4.	3.364	.318	12.505
4	1.50	4.500	3.826	.337	14.983
$4\frac{1}{2}$	1.80	5.	4.290	.355	17.611
5	2.08	5.563	4.813	.375	20.778
6	2.86	6.625	5.761	.432	28.573
7	3.81	7.625	6.625	.500	38.048
8	4.34	8.625	7.625	.500	43.388
9	4.90	9.625	8.625	.500	48.728
10	5.48	10.750	9.750	.500	54.735
11	6.10	11.750	10.750	.500	60.075
12	6.55	12.750	11.750	.500	65.415

The permissible variation in weight is 5 per cent above and 5 per cent below.

DOUBLE EXTRA STRONG

Size Inches	Price per Foot	DIAMETER, INCHES		Thickness Inches	Weight, per Foot Plain Ends Pounds
		External	Internal		
$\frac{1}{2}$	.32	.840	.252	.294	1.714
$\frac{3}{4}$	.35	1.050	.434	.308	2.440
1	.37	1.315	.599	.358	3.659
$1\frac{1}{4}$	.52 $\frac{1}{2}$	1.660	.896	.382	5.214
$1\frac{1}{2}$	.65	1.900	1.100	.400	6.408
2	.91	2.375	1.503	.436	9.029
$2\frac{1}{2}$	1.37	2.875	1.771	.552	13.695
3	1.86	3.500	2.300	.600	18.583
$3\frac{1}{2}$	2.30	4.	2.728	.636	22.850
4	2.76	4.500	3.152	.674	27.541
$4\frac{1}{2}$	3.26	5.	3.580	.710	32.530
5	3.86	5.563	4.063	.750	38.552
6	5.32	6.625	4.897	.864	53.160
7	6.35	7.625	5.875	.875	63.079
8	7.25	8.625	6.875	.875	72.424

The permissible variation in weight is 10 per cent above and 10 per cent below.

The following notes apply to both tables:

Furnished with plain ends and in random lengths, unless otherwise ordered.

Random length of extra strong and double strong pipe is considered to be 12 feet to 22 feet, we to have the privilege, however, of supplying not exceeding 5 per cent of total order in lengths from 6 to 12 feet.

For pipe fitted with threads and couplings; for cut lengths or galvanized or coated pipe, an extra charge will be made.

SPECIAL PIPE CUT TO ORDER

DIAGRAM SHOWING SCREWED VALVE AND FITTINGS

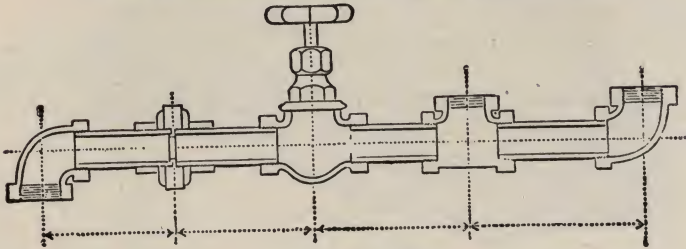


Plate 2701-H

DIAGRAM SHOWING FLANGED VALVE AND FITTINGS

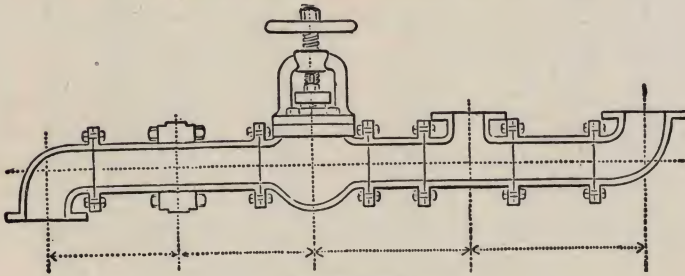


Plate 2702-H

In our pipe shop we have every facility for cutting and threading all sizes of pipe to diagram, making coils and bending pipe.

In placing orders with us for pipe to diagram, great care should be taken in making diagram.

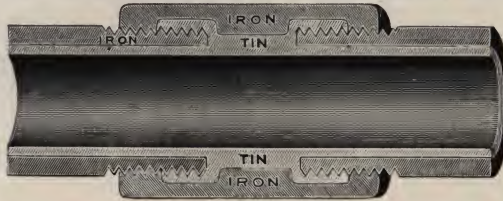
All measurements should be from center to center.

When possible, we should be advised of the purpose for which pipe is to be used and pressure it must stand.

When flanged fittings are used, state if desired drilled, and if with bolts and gaskets complete.

CUTTING STANDARD PIPE THREADS

Size	inches	$\frac{1}{4}$ to $\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$
Price, Cut or Thread....each		.06	.08	.09	.10	.15	.25	.30	.35	.45	.55
" Locknut Threads.. "		.10	.12	.14	.16	.20	.30	.40	....	....	....
Size	inches	5	6	7	8	9	10	12	14	16	....
Price, Cut or Thread....each		.60	.80	1.25	1.60	2.50	3.00	4.00	5.60	8.00	....

TIN-LINED AND LEAD-LINED IRON PIPE, ETC.**TIN-LINED AND LEAD-LINED IRON PIPE****Plate 2703-H**

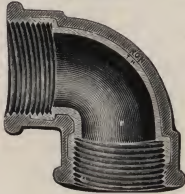
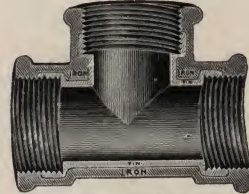
The tin-lined pipe is made by pouring melted tin into a wrought iron pipe. While melted, the tin is inseparably united to the iron and formed into a substantial inner pipe. The lead-lined pipe is made in the same way. As the substantial lining cannot be separated from the iron, even when bent or coiled, this composite pipe can be used successfully where tin, lead, brass, or iron pipes alone are too expensive or unsatisfactory. The lining of pipe and nipples is beaded on the end, thereby making a continuous lining when connected at every joint. The use of tin-lined pipe insures pure water.

For mining, manufacturing, and many other uses requiring a pipe that acids will not destroy, we furnish lead-lined pipe at a greatly reduced cost.

Inside Diam...inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	7	8
Tin-Lined...per foot	.48	.48	.64	.83	1.03	1.27	1.80	2.34	2.90	3.50	5.00	8.00	10.50	13.80
Lead-Lined .. "	.20	.20	.30	.39 1/2	.48	.65 1/2	1.00	1.38	1.55	1.85	2.69	3.28	4.83	5.73

9 to 30-inch lead-lined pipe prices on application.

Galvanized pipe furnished at special prices.

TIN-LINED AND LEAD-LINED MALLEABLE IRON FITTINGS**ELBOW****Plate 2704-H****TEE****Plate 2705-H**

Size.....inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Elbows.....each	.25	.30	.49	.58	.84	1.25	2.30	2.63	4.05	5.00	5.80	6.50
" 45°....."	.25	.30	.49	.58	.84	1.25	2.30	2.63	4.05	5.00	5.80	6.50
" Reducing....."	.28	.34	.54	.65	.90	1.40	2.50	3.75	4.50	5.00	5.80	6.50
Tees....."	.30	.42	.53	.68	.95	1.60	2.80	4.00	5.02	5.20	6.10	7.50
Couplings....."	.17	.22	.38	.48	.61	1.03	1.42	1.93	2.53	3.10	3.90	4.50
" Reducing....."	.20	.25	.42	.54	.68	1.10	1.52	2.10	2.70	3.10	3.90	4.50
Unions....."	.48	.58	.75	.95	1.28	1.95	3.90	.....	.....	.....	.....	.....

NOTE.—The lead lining in all flanged pipe and fittings is turned over on the flanges, forming a gasket, which makes it impossible for the liquid to come in contact with the iron. Galvanized fittings furnished at special prices.

WE ARE ALSO PREPARED TO FURNISH

LEAD-LINED CAST IRON SCREWED FITTINGS

LEAD-LINED CAST IRON SCREWED DRAINAGE FITTINGS

LEAD-LINED FLANGED PIPE AND FITTINGS

LEAD-LINED SOIL PIPE AND FITTINGS

LEAD-LINED PUMP COLUMNS

LEAD-LINED WROUGHT IRON NIPPLES, ETC., ETC.

Prices on application.

MALLEABLE IRON FITTINGS

CLASSIFICATION

Class	A	B	C
Caps .....	.....	$\frac{1}{4}$ to 1, inclusive	$1\frac{1}{4}$ and Larger
Chandelier Hooks .....	.....	All Sizes	.....
" Loops .....	.....	"	"
Couplings, R. H. ....	.....	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$	1 and Larger
" R. and L. ....	.....	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ " $\frac{3}{4}$	1 " "
" Reducing	$\left\{ \begin{array}{l} \frac{1}{4} \times \frac{1}{8} \\ \frac{3}{8} \times \frac{1}{8} \\ \frac{1}{2} \times \frac{1}{8} \end{array} \right.$	$\frac{3}{8} \times \frac{1}{4}$ to $1 \times \frac{3}{4}$	* $1\frac{1}{4}$ and Larger
Crosses .....	.....	$\frac{1}{4}$ to 1, inclusive	$1\frac{1}{4}$ and Larger
" Reducing .....	.....	1 and Smaller	* $1\frac{1}{4}$ " "
Elbows	$\left\{ \begin{array}{l} \frac{1}{8} \times \frac{1}{8} \\ \frac{1}{4} \times \frac{1}{8} \\ \frac{3}{8} \times \frac{1}{8} \\ \frac{1}{2} \times \frac{1}{8} \end{array} \right.$	$\left\{ \begin{array}{l} \frac{3}{8} \times \frac{1}{4} \\ \frac{1}{2} \times \frac{1}{4} \\ \frac{1}{4}, \frac{3}{8}, \frac{1}{2} \\ \frac{1}{2} \times \frac{3}{8} \end{array} \right.$	* $\frac{3}{4}$ and Larger
Elbows, 45° .....	.....	$\frac{1}{4}$ to 2, inclusive	$2\frac{1}{2}$ and Larger
" 60° .....	.....	$1\frac{1}{4}$ to 2	.....
" Drop .....	.....	All Sizes	.....
" R. and L.	$\frac{1}{4}, \frac{3}{8}$	$\frac{1}{2}, \frac{3}{4}, 1$	* $1\frac{1}{4}$ and Larger
" Side Outlet .....	.....	All Sizes	.....
" Street	$\frac{1}{8}$	$\left\{ \begin{array}{l} \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{4} \\ \frac{3}{4} \times \frac{1}{2} \\ 1 \times \frac{1}{2}, 1 \times \frac{3}{4} \end{array} \right.$	1 and Larger
" " 45°	$\frac{3}{8}$	$\frac{1}{2}$ and Larger	.....
Extension Pieces .....	.....	All Sizes	.....
Locknuts .....	.....	$\frac{1}{4}$ to $1\frac{1}{4}$, inclusive	$1\frac{1}{2}$ and Larger
Return Bends .....	.....	1 and Smaller	$1\frac{1}{4}$ " "
" " R. and L.	$\frac{1}{2}$	$\frac{3}{4}$ and Larger	.....
Tees	$\left\{ \begin{array}{l} \frac{1}{8} \times \frac{1}{8} \\ \frac{1}{8} \times \frac{1}{4} \\ \frac{1}{4} \times \frac{1}{8} \\ \frac{3}{8} \times \frac{1}{8} \end{array} \right.$	$\left\{ \begin{array}{l} \frac{1}{4}, \frac{3}{8}, \frac{1}{2} \\ \frac{1}{4} \times \frac{1}{4} \times \frac{3}{8} \\ \frac{3}{8} \times \frac{1}{4} \times \frac{1}{4} \\ \frac{3}{8} \times \frac{3}{8} \times \frac{1}{4} \\ \frac{3}{8} \times \frac{1}{4} \times \frac{3}{8} \\ \frac{1}{2} \text{ Reducing} \end{array} \right.$	* $\frac{3}{4}$ and Larger
Tees, Drop .....	.....	All Sizes	.....
" Four-Way .....	.....	"	.....
" Service .....	.....	$\left\{ \begin{array}{l} \frac{3}{8}, \frac{1}{2}, \frac{3}{4} \\ \frac{3}{4} \times \frac{1}{2} \times \frac{3}{4} \\ \frac{3}{4} \times 1, 1 \times \frac{3}{4} \times 1 \\ 1 \times 1 \times \frac{3}{4} \end{array} \right.$	1 and Larger
Wall Plates .....	.....	All Sizes	.....
Waste Nuts .....	.....	"	.....
"Y" Bends .....	.....	"	.....
" " 60° .....	.....	"	.....

PRICES

Class	A	B	C
Price, Black..... per pound	.40	.20	.12
" Galvanized .....	.50	.28	.19

*Fittings in Class C having one or more outlets smaller than $\frac{3}{4}$ -inch will be charged in Class B.

Orders for less than 25 pounds of black fittings in Classes B and C will be charged at a uniform price of 20 cents per pound, and in Class A at 40 cents per pound.

MALLEABLE IRON FITTINGS**SIZES AND WEIGHTS**

Weights are only Approximate and are not Guaranteed

ELBOWS

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{1}{8}$	A	6	$1\frac{1}{4} \times 1\frac{1}{2}$	B	80	$2\frac{1}{2} \times 2$	C	380
$\frac{1}{4} \times \frac{1}{8}$	A	9	$1\frac{1}{4} \times \frac{3}{4}$	C	94	$2\frac{1}{2}$	C	380
$\frac{3}{8} \times \frac{1}{8}$	A	15	$1\frac{1}{4} \times 1$	C	88	$3 \times 1\frac{1}{2}$	C	490
$\frac{1}{4}$	B	12	$1\frac{1}{4}$	C	102	3×2	C	460
$\frac{3}{8} \times \frac{1}{4}$	B	$15\frac{1}{2}$	$1\frac{1}{2} \times 1\frac{1}{2}$	C	133	$3 \times 2\frac{1}{2}$	C	546
$\frac{3}{8}$	B	$18\frac{1}{2}$	$1\frac{1}{2} \times \frac{3}{4}$	C	126	3	C	590
$\frac{1}{2} \times \frac{1}{4}$	B	25	$1\frac{1}{2} \times 1$	C	116	$3\frac{1}{2} \times 3$	C	900
$\frac{1}{2} \times \frac{3}{8}$	B	25	$1\frac{1}{2} \times 1\frac{1}{4}$	C	137	$3\frac{1}{2}$	C	820
$\frac{1}{2}$	B	28	$1\frac{1}{2}$	C	137	4×2	C	800
$\frac{3}{4} \times \frac{3}{8}$	B	42	$2 \times \frac{1}{2}$	C	192	$4 \times 2\frac{1}{2}$	C	817
$\frac{3}{4} \times \frac{1}{2}$	B	39	$2 \times \frac{3}{4}$	C	194	4×3	C	900
$\frac{3}{4}$	C	$41\frac{1}{2}$	2×1	C	183	$4 \times 3\frac{1}{2}$	C	910
$1 \times \frac{3}{8}$	B	52	$2 \times 1\frac{1}{4}$	C	196	4	C	1170
$1 \times \frac{1}{2}$	B	60	$2 \times 1\frac{1}{2}$	C	177	$4\frac{1}{2}$	C	1525
$1 \times \frac{3}{4}$	C	$61\frac{1}{2}$	2	C	220	5	C	2070
1	C	$68\frac{1}{2}$	$2\frac{1}{2} \times 1\frac{1}{2}$	C	275	6	C	3200

45° ELBOWS

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{1}{4}$	B	13	$1\frac{1}{2}$	B	124
$\frac{3}{8}$	B	16	2	B	175
$\frac{1}{2}$	B	$25\frac{1}{4}$	$2\frac{1}{2}$	C	317
$\frac{3}{4}$	B	36	3	C	563
1	B	55	$3\frac{1}{2}$	C	750
$1\frac{1}{4}$	B	92	4	C	865

STREET ELBOWS

$\frac{1}{4}$	B	....	$1\frac{1}{4} \times 1$	C	88
$\frac{3}{8}$	B	....	$\frac{1}{4}$	C	102
$\frac{1}{2}$	B	$27\frac{3}{4}$	$1\frac{1}{2} \times 1\frac{1}{4}$	C	146
$\frac{3}{4} \times 1\frac{1}{2}$	B	45	$1\frac{1}{2}$	C	162
$\frac{3}{4}$	B	$49\frac{1}{2}$	$2 \times 1\frac{1}{2}$	C	225
$1 \times \frac{3}{4}$	B	62	2	C	252
1	C	65	.....	....	....

SIDE OUTLET ELBOWS

$\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$	B	....	$1 \times 1 \times \frac{3}{8}$	B	52
$\frac{3}{8} \times \frac{3}{8} \times \frac{1}{4}$	B	14	$1 \times 1 \times \frac{1}{2}$	B	51
$\frac{3}{8} \times \frac{3}{8} \times \frac{3}{8}$	B	17	$1 \times 1 \times \frac{3}{4}$	B	48
$\frac{1}{2} \times \frac{1}{2} \times \frac{3}{8}$	B	24	$1 \times 1 \times 1$	B	55
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	B	30	$1\frac{1}{4} \times 1\frac{1}{4} \times 1$	B	110
$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{8}$	B	29	$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$	B	120
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2}$	B	30	$1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	B	150
$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$	B	33	$2 \times 2 \times 2$	B	200

MALLEABLE IRON FITTINGS

SIZES AND WEIGHTS

Weights are only Approximate and are not Guaranteed

DROP ELBOWS, FEMALE

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{1}{8} \times \frac{1}{4}$	B	16	$\frac{3}{4} \times \frac{1}{2}$	B	40
$\frac{3}{8} \times \frac{1}{4}$	B	21	$\frac{3}{4} \times \frac{3}{4}$	B	36
$\frac{3}{8} \times \frac{3}{8}$	B	22	$1 \times \frac{3}{4}$	B	48
$\frac{1}{2} \times \frac{1}{2}$	B	33	1×1	B	$53\frac{1}{2}$
$\frac{1}{2} \times \frac{3}{8}$	B	$26\frac{1}{2}$	.....	....	.....

DROP ELBOWS, MALE AND FEMALE

$\frac{1}{8} \times \frac{3}{8}$	B	12	$\frac{1}{2} \times \frac{3}{8}$	B	34
$\frac{1}{4} \times \frac{3}{8}$	B	16	$\frac{3}{8} \times \frac{3}{8}$	B	$28\frac{1}{2}$
$\frac{3}{8} \times \frac{3}{8}$	B	$20\frac{1}{2}$	$\frac{1}{4} \times \frac{3}{8}$	B	$22\frac{1}{2}$

DROP ELBOWS, FLANGED

$\frac{1}{4} \times \frac{3}{8}$	B	$13\frac{1}{2}$	$\frac{3}{8} \times \frac{3}{8}$	B	$16\frac{1}{2}$
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TEES

$\frac{1}{8}$	A	$9\frac{1}{2}$	$\frac{3}{4} \times \frac{1}{4} \times \frac{3}{4}$	B	51
$\frac{1}{8} \times \frac{1}{4}$	A	10	$\frac{3}{4} \times \frac{3}{8} \times \frac{3}{8}$	B	44
$\frac{1}{4} \times \frac{1}{8} \times \frac{1}{8}$	A	10	$\frac{3}{4} \times \frac{3}{8} \times \frac{1}{2}$	B	43
$\frac{1}{4} \times \frac{1}{8}$	A	10	$\frac{3}{4} \times \frac{3}{8} \times \frac{3}{4}$	B	51
$\frac{3}{8} \times \frac{1}{8}$	A	$12\frac{1}{4}$	$\frac{3}{4} \times \frac{3}{8} \times \frac{1}{4}$	B	68
$\frac{1}{4}$	B	12	$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{4}$	B	40
$\frac{1}{4} \times \frac{3}{8}$	B	$20\frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{8}$	B	43
$\frac{3}{8} \times \frac{1}{4} \times \frac{1}{4}$	B	19	$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{2}$	B	50
$\frac{3}{8} \times \frac{1}{4} \times \frac{3}{8}$	B	20	$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{4}$	B	56
$\frac{3}{8} \times \frac{1}{4}$	B	$17\frac{1}{2}$	$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{4}$	B	67
$\frac{3}{8}$	B	19	$\frac{3}{4} \times \frac{1}{4}$	B	46
$\frac{3}{8} \times \frac{1}{2}$	B	$25\frac{1}{2}$	$\frac{3}{4} \times \frac{3}{8}$	B	43
$\frac{1}{2} \times \frac{1}{4} \times \frac{3}{8}$	B	25	$\frac{3}{4} \times \frac{1}{2}$	B	49
$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{2}$	B	30	$\frac{3}{4}$	C	$56\frac{1}{2}$
$\frac{1}{2} \times \frac{3}{8} \times \frac{1}{4}$	B	25	$\frac{3}{4} \times \frac{1}{4}$	C	66
$\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$	B	28	$\frac{3}{4} \times \frac{1}{2}$	C	112
$\frac{1}{2} \times \frac{3}{8} \times \frac{1}{2}$	B	$29\frac{1}{2}$	$1 \times \frac{1}{4} \times \frac{1}{4}$	B	77
$\frac{1}{2} \times \frac{3}{8} \times \frac{3}{4}$	B	$44\frac{1}{2}$	$1 \times \frac{3}{8} \times \frac{1}{2}$	B	56
$\frac{1}{2} \times \frac{1}{4}$	B	24	$1 \times \frac{3}{8} \times \frac{3}{4}$	B	66
$\frac{1}{2} \times \frac{3}{8}$	B	26	$1 \times \frac{3}{8} \times 1$	B	$75\frac{1}{2}$
$\frac{1}{2}$	B	31	$1 \times \frac{3}{8} \times 1\frac{1}{4}$	B	98
$\frac{1}{2} \times \frac{3}{4}$	B	46	$1 \times \frac{1}{2} \times \frac{3}{8}$	B	60
$\frac{1}{2} \times 1$	B	69	.....	....	.....

MALLEABLE IRON FITTINGS

SIZES AND WEIGHTS

Weights are only Approximate and are not Guaranteed

TEES—(CONTINUED)

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
1x $\frac{1}{2}$ x $\frac{1}{2}$	B	58	1 $\frac{1}{2}$ x1x1	C	122
1x $\frac{1}{2}$ x $\frac{3}{4}$	B	68	1 $\frac{1}{2}$ x1x1 $\frac{1}{4}$	C	156
1x $\frac{1}{2}$ x1	B	80	1 $\frac{1}{2}$ x1x1 $\frac{1}{2}$	C	154
1x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	B	108	1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1 $\frac{1}{2}$	B	121
1x $\frac{3}{4}$ x $\frac{3}{8}$	B	62	1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x $\frac{3}{4}$	C	114
1x $\frac{3}{4}$ x $\frac{1}{2}$	B	60	1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1	C	126
1x $\frac{3}{4}$ x $\frac{3}{4}$	C	71	1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	C	155
1x $\frac{3}{4}$ x1	C	80	1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1 $\frac{1}{2}$	C	152 $\frac{1}{2}$
1x $\frac{3}{4}$ x1 $\frac{1}{4}$	C	103	1 $\frac{1}{2}$ x1 $\frac{1}{4}$	B	112
1x1 $\frac{1}{4}$	B	58 $\frac{1}{2}$	1 $\frac{1}{2}$ x $\frac{3}{8}$	B	103
1x $\frac{3}{8}$	B	65	1 $\frac{1}{2}$ x $\frac{1}{2}$	B	115
1x $\frac{1}{2}$	B	64	1 $\frac{1}{2}$ x $\frac{3}{4}$	C	118
1x $\frac{3}{4}$	C	75	1 $\frac{1}{2}$ x1	C	137
1	C	82	1 $\frac{1}{2}$ x1 $\frac{1}{4}$	C	160
1x1 $\frac{1}{4}$	C	100	1 $\frac{1}{2}$	C	160
1x1 $\frac{1}{2}$	C	112	1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x2	C	200
1x2	C	196	1 $\frac{1}{2}$ x2	C	183
1 $\frac{1}{4}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	B	130	2x $\frac{3}{8}$ x2	B	225
1 $\frac{1}{4}$ x $\frac{3}{8}$ x1	B	111	2x1 $\frac{1}{2}$ x2	B	216
1 $\frac{1}{4}$ x $\frac{3}{8}$ x1 $\frac{1}{4}$	B	134	2x $\frac{3}{4}$ x2	C	237
1 $\frac{1}{4}$ x1 $\frac{1}{2}$ x $\frac{3}{4}$	B	110	2x1x1	C	218
1 $\frac{1}{4}$ x1 $\frac{1}{2}$ x1	B	109	2x1x1 $\frac{1}{4}$	C	220
1 $\frac{1}{4}$ x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	B	137	2x1x1 $\frac{1}{2}$	C	250
1 $\frac{1}{4}$ x $\frac{3}{4}$ x1 $\frac{1}{2}$	B	108	2x1x2	C	230
1 $\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	C	102	2x1 $\frac{1}{4}$ x1	C	210
1 $\frac{1}{4}$ x $\frac{3}{4}$ x1	C	115 $\frac{1}{2}$	2x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	C	200
1 $\frac{1}{4}$ x $\frac{3}{4}$ x1 $\frac{1}{4}$	C	132	2x1 $\frac{1}{4}$ x1 $\frac{1}{2}$	C	237 $\frac{1}{2}$
1 $\frac{1}{4}$ x1x $\frac{3}{8}$	B	83	2x1 $\frac{1}{4}$ x2	C	240
1 $\frac{1}{4}$ x1x1 $\frac{1}{2}$	B	92	2x1 $\frac{1}{2}$ x $\frac{3}{4}$	C	220
1 $\frac{1}{4}$ x1x $\frac{3}{4}$	C	107	2x1 $\frac{1}{2}$ x1	C	222
1 $\frac{1}{4}$ x1x1	C	118	2x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	C	205
1 $\frac{1}{4}$ x1x1 $\frac{1}{4}$	C	124	2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	C	222
1 $\frac{1}{4}$ x1x1 $\frac{1}{2}$	C	144	2x1 $\frac{1}{2}$ x2	C	252 $\frac{1}{2}$
1 $\frac{1}{4}$ x1 $\frac{1}{4}$	B	80	2x $\frac{3}{8}$	B	151
1 $\frac{1}{4}$ x $\frac{3}{8}$	B	87	2x $\frac{1}{2}$	B	160
1 $\frac{1}{4}$ x $\frac{1}{2}$	B	86	2x $\frac{3}{4}$	C	160
1 $\frac{1}{4}$ x $\frac{3}{4}$	C	109	2x1	C	187
1 $\frac{1}{4}$ x1	C	111	2x1 $\frac{1}{4}$	C	200
1 $\frac{1}{4}$	C	132 $\frac{1}{2}$	2x1 $\frac{1}{2}$	C	223
1 $\frac{1}{4}$ x1 $\frac{1}{2}$	C	162	2	C	270
1 $\frac{1}{4}$ x2	C	168	2x2 $\frac{1}{2}$	C	325
1 $\frac{1}{2}$ x $\frac{1}{2}$ x1	B	130	2 $\frac{1}{2}$ x $\frac{3}{4}$	C	320
1 $\frac{1}{2}$ x $\frac{3}{8}$ x1 $\frac{1}{2}$	B	167	2 $\frac{1}{2}$ x1	C	310
1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	B	167	2 $\frac{1}{2}$ x1 $\frac{1}{4}$	C	300
1 $\frac{1}{2}$ x $\frac{3}{4}$ x1	C	118	2 $\frac{1}{2}$ x1 $\frac{1}{2}$	C	305
1 $\frac{1}{2}$ x $\frac{3}{4}$ x1 $\frac{1}{4}$	C	140	2 $\frac{1}{2}$ x $\frac{1}{2}$ x2 $\frac{1}{2}$	B	638
1 $\frac{1}{2}$ x $\frac{3}{4}$ x1 $\frac{1}{2}$	C	157	2 $\frac{1}{2}$ x $\frac{3}{4}$ x2 $\frac{1}{2}$	C	506
1 $\frac{1}{2}$ x1x $\frac{3}{4}$	C	110	2 $\frac{1}{2}$ x1x2 $\frac{1}{2}$	C	500

MALLEABLE IRON FITTINGS

SIZES AND WEIGHTS

Weights are only Approximate and are not Guaranteed

TEES—(CONTINUED)

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$2\frac{1}{2} \times 1\frac{1}{4} \times 2\frac{1}{2}$	C	500	3	C	900
$2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	C	510	3×4	C	1580
$2\frac{1}{2} \times 1\frac{1}{2} \times 2$	C	....	$3\frac{1}{2} \times 2$	C	800
$2\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$	C	520	$3\frac{1}{2} \times 2\frac{1}{2}$	C	840
$2\frac{1}{2} \times 2 \times 1\frac{1}{2}$	C	508	$3\frac{1}{2} \times 3$	C	920
$2\frac{1}{2} \times 2$	C	354	$3\frac{1}{2}$	C	1110
$2\frac{1}{2} \times 2 \times 2$	C	525	4×1	C	1050
$2\frac{1}{2} \times 2 \times 2\frac{1}{2}$	C	587	$4 \times 1\frac{1}{4}$	C	1115
$2\frac{1}{2}$	C	476	$4 \times 1\frac{1}{4} \times 3$	C	1500
$2\frac{1}{2} \times 3$	C	600	$4 \times 1\frac{1}{4} \times 4$	C	1575
$2\frac{1}{2} \times 4$	C	1600	$4 \times 1\frac{1}{2}$	C	1080
3×1	C	530	$4 \times 1\frac{1}{2} \times 3$	C	1500
$3 \times 1\frac{1}{4}$	C	525	$4 \times 1\frac{1}{2} \times 4$	C	1700
$3 \times 1\frac{1}{2}$	C	525	4×2	C	1120
$3 \times 1\frac{1}{2} \times 1\frac{1}{2}$	C	830	$4 \times 2 \times 3$	C	1450
$3 \times 1\frac{1}{2} \times 2$	C	845	$4 \times 2 \times 4$	C	1800
$3 \times 1\frac{1}{2} \times 2\frac{1}{2}$	C	887	$4 \times 2\frac{1}{2}$	C	1214
$3 \times 1\frac{1}{2} \times 3$	C	900	$4 \times 2\frac{1}{2} \times 2$	C	1530
3×2	C	600	$4 \times 2\frac{1}{2} \times 3$	C	1520
$3 \times 2 \times 1\frac{1}{2}$	C	835	$4 \times 2\frac{1}{2} \times 4$	C	1625
$3 \times 2 \times 2$	C	850	4×3	C	1210
$3 \times 2 \times 2\frac{1}{2}$	C	890	$4 \times 3 \times 3$	C	1500
$3 \times 2 \times 3$	C	930	$4 \times 3 \times 4$	C	1580
$3 \times 2\frac{1}{2}$	C	640	$4 \times 3\frac{1}{2}$	C	1480
$3 \times 2\frac{1}{2} \times 1\frac{1}{2}$	C	860	4	C	1550
$3 \times 2\frac{1}{2} \times 2$	C	845	$4\frac{1}{2}$	C	2200
$3 \times 2\frac{1}{2} \times 2\frac{1}{2}$	C	900	5	C	2710
$3 \times 2\frac{1}{2} \times 3$	C	1015	6	C	4760

FOUR-WAY TEES

$\frac{3}{8}$	B	25	$1\frac{1}{4}$	B	132
$\frac{1}{2}$	B	29	$1\frac{1}{2}$	B	154
$\frac{3}{4}$	B	40	2	B	....
1	B	99	..	..	....

STREET TEES

$\frac{3}{4}$	B	48	$1\frac{1}{2} \times 1\frac{1}{4} \times 1\frac{1}{2}$	C	180
$1 \times \frac{3}{4} \times 1$	B	87	$1\frac{1}{2}$	C	190
1	C	94	$2 \times 1\frac{1}{2} \times 2$	C	257
$1\frac{1}{4} \times 1 \times 1\frac{1}{4}$	C	143	2	C	300
$1\frac{1}{4}$	C	136	.....	....	....

MALLEABLE IRON FITTINGS**SIZES AND WEIGHTS**

Weights are only Approximate and are not Guaranteed

DROP TEES, FEMALE

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{3}{8} \times \frac{1}{4} \times \frac{1}{4}$	B	18	$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{8}$	B	43 $\frac{1}{2}$
$\frac{3}{8} \times \frac{3}{8} \times \frac{1}{4}$	B	17 $\frac{1}{2}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{4}$	B	40
$\frac{3}{8} \times \frac{3}{8} \times \frac{3}{8}$	B	21 $\frac{1}{2}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{8}$	B	46
$\frac{1}{2} \times \frac{1}{4} \times \frac{1}{2}$	B	29 $\frac{1}{2}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2}$	B	44
$\frac{1}{2} \times \frac{3}{8} \times \frac{1}{4}$	B	24	$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2}$	B	56
$\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$	B	26	$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$	B	58
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$	B	25	$1 \times \frac{3}{4} \times \frac{3}{8}$	B	56
$\frac{1}{2} \times \frac{1}{2} \times \frac{3}{8}$	B	28	$1 \times 1 \times \frac{1}{2}$	B	60
$\frac{1}{2} \times \frac{1}{2} \times \frac{3}{8}$	B	27 $\frac{1}{2}$	$1 \times 1 \times \frac{3}{4}$	B	82
$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{4}$	B	40	$1 \times 1 \times 1$	B	83

DROP TEES
DROP TEES, MALE AND FEMALE **With Drop 2 $\frac{1}{2}$ Inches Long**

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{1}{4} \times \frac{1}{4} \times \frac{3}{8}$	B	16	$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{8}$	B	44	$\frac{3}{8} \times \frac{3}{8} \times \frac{3}{8}$	B	25
$\frac{3}{8} \times \frac{1}{4} \times \frac{3}{8}$	B	17	$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{8}$	B	37 $\frac{1}{2}$	$\frac{1}{4} \times \frac{1}{4} \times \frac{3}{8}$	B	25
$\frac{3}{8} \times \frac{3}{8} \times \frac{3}{8}$	B	21	$1 \times \frac{3}{4} \times \frac{3}{8}$	B	60	.....	....	....
$\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$	B	30	$1 \times 1 \times \frac{3}{8}$	B	50	.....	....	....
$\frac{1}{2} \times \frac{1}{2} \times \frac{3}{8}$	B	29	.....	....	....	.....	....	....

CROSSES

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{1}{4}$	B	15 $\frac{1}{2}$	$1 \times \frac{3}{8}$	B	68
$\frac{3}{8} \times \frac{1}{4} \times \frac{1}{4}$	B	18	$1 \times \frac{1}{2}$	B	68
$\frac{3}{8} \times \frac{1}{4}$	B	23	$1 \times \frac{3}{4}$	B	76
$\frac{3}{8}$	B	24 $\frac{1}{2}$	1	B	95
$\frac{1}{2} \times \frac{3}{8} \times \frac{1}{4}$	B	25	$1 \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$	B	180
$\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$	B	27	$1 \frac{1}{4} \times \frac{1}{4} \times \frac{3}{4}$	C	99
$\frac{1}{2} \times \frac{3}{8} \times \frac{1}{2}$	B	30	$1 \frac{1}{4} \times 1 \times 1$	C	108
$\frac{1}{2} \times \frac{1}{4}$	B	27	$1 \frac{1}{4} \times \frac{3}{8}$	B	100
$\frac{1}{2} \times \frac{3}{8}$	B	28	$1 \frac{1}{4} \times \frac{1}{2}$	B	104
$\frac{1}{2}$	B	32	$1 \frac{1}{4} \times \frac{3}{4}$	C	120
$\frac{3}{4} \times \frac{1}{4} \times \frac{3}{4}$	B	70	$1 \frac{1}{4} \times 1$	C	136
$\frac{3}{4} \times \frac{3}{8} \times \frac{1}{4}$	B	40	$1 \frac{1}{4}$	C	148
$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{8}$	B	39 $\frac{1}{2}$	$1 \frac{1}{2} \times \frac{1}{4} \times \frac{1}{4}$	C	153
$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{4}$	B	54	$1 \frac{1}{2} \times \frac{3}{8}$	B	120
$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{2}$	B	46	$1 \frac{1}{2} \times \frac{1}{2}$	B	112
$\frac{3}{4} \times \frac{1}{4}$	B	51	$1 \frac{1}{2} \times \frac{3}{4}$	C	128
$\frac{3}{4} \times \frac{3}{8}$	B	49	$1 \frac{1}{2} \times 1$	C	144
$\frac{3}{4} \times \frac{1}{2}$	B	54	$1 \frac{1}{2} \times 1 \frac{1}{4}$	C	184
$\frac{3}{4}$	B	64	$\frac{1}{2}$	C	200
$1 \times \frac{1}{4} \times 1$	B	105	$2 \times \frac{3}{8}$	B	160
$1 \times \frac{1}{2} \times \frac{3}{8}$	B	54	$2 \times \frac{1}{2}$	B	182
$1 \times \frac{3}{4} \times \frac{3}{8}$	B	53	$2 \times \frac{3}{4}$	C	182
$1 \times \frac{3}{4} \times \frac{1}{2}$	B	62	2×1	C	232
$1 \times \frac{3}{4} \times \frac{3}{4}$	B	65	$2 \times 1 \frac{1}{4}$	C	250

MALLEABLE IRON FITTINGS

SIZES AND WEIGHTS

Weights are only Approximate and are not Guaranteed

CROSSES—(CONTINUED)

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
2x1½	C	265	3x1½	C	512
2	C	290	3x2	C	620
2½x1¼	C	328	3x2½	C	657
2½x1½	C	340	3	C	820
2½x2	C	375	3½	C	1045
2½	C	600	4	C	1463

RETURN BENDS

CLOSE PATTERN				OPEN PATTERN				MEDIUM PATTERN			
Size Inches	R. H. Class	R. and L. Class	Weight Pounds per 100	Size Inches	R. H. Class	R. and L. Class	Weight Pounds per 100	Size Inches	R. H. Class	R. and L. Class	Weight Pounds per 100
¼	B	A	15½	¼	B	A	21	½	B	A	34
⅜	B	A	22	⅜	B	A	22	¾	B	B	60
½	B	A	35	½	B	A	44	1	B	B	92
¾	B	B	71	¾	B	B	83	1¼	C	B	160
1	B	B	100	1	B	B	140	1½	C	B	255
1¼	C	B	168	1¼	C	B	200	2	C	B	337
1½	C	B	244	1½	C	B	310	....	....	....	....
2	C	B	388	2	C	B	550	....	....	....	....
2½	C	B	631	2½	C	B	710	....	....	....	....
3	C	B	880	3	C	B	1050	....	....	....	....
3½	C	B	1400	3½	C	B	1550	....	....	....	....
....	....	....	....	4	C	B	1850	....	....	....	....

"Y" BENDS

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
½	B	50	2	B	440
¾	B	81	2½x2	B	570
1	B	117	2½	B	635
1¼	B	198	3x2	B	865
1½x1¼	B	230	3x2½	B	925
1½	B	282	3	B	1090
2x1¼	B	325	3½	B	1180
2x1½	B	380	4	B	1790

REDUCING COUPLINGS

¼x1⅛	A	6	¾x¾	B	21
⅜x1⅛	A	8½	¾x1½	B	23
⅜x1¼	B	12	1x1¼	B	30
½x1¼	B	14	1x¾	B	30½
½x¾	B	15	1x1½	B	32
¾x1¼	B	22	1x¾	B	41½

MALLEABLE IRON FITTINGS

SIZES AND WEIGHTS

Weights are only Approximate and are not Guaranteed

REDUCING COUPLINGS—CONTINUED

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
1 $\frac{1}{4}$ x 1 $\frac{1}{4}$	B	44 $\frac{1}{2}$	2 $\frac{1}{2}$ x1 $\frac{1}{4}$	C	170
1 $\frac{1}{4}$ x 3 $\frac{3}{8}$	B	48 $\frac{1}{2}$	2 $\frac{1}{2}$ x1 $\frac{1}{2}$	C	175
1 $\frac{1}{4}$ x 1 $\frac{1}{2}$	B	43	2 $\frac{1}{2}$ x2	C	188
1 $\frac{1}{4}$ x 3 $\frac{3}{4}$	C	43	3 x1	C	257
1 $\frac{1}{4}$ x1	C	50	3 x1 $\frac{1}{4}$	C	275
1 $\frac{1}{2}$ x 1 $\frac{1}{4}$	B	60	3 x1 $\frac{1}{2}$	C	250
1 $\frac{1}{2}$ x 3 $\frac{3}{8}$	B	60	3 x2	C	260
1 $\frac{1}{2}$ x 1 $\frac{1}{2}$	B	57	3 x2 $\frac{1}{2}$	C	300
1 $\frac{1}{2}$ x 3 $\frac{3}{4}$	C	61 $\frac{1}{2}$	3 $\frac{1}{2}$ x1	C	375
1 $\frac{1}{2}$ x1	C	68	3 $\frac{1}{2}$ x1 $\frac{1}{4}$	C	350
1 $\frac{1}{2}$ x1 $\frac{1}{4}$	C	66	3 $\frac{1}{2}$ x1 $\frac{1}{2}$	C	352
2 x 1 $\frac{1}{4}$	B	80 $\frac{1}{2}$	3 $\frac{1}{2}$ x2	C	377
2 x 3 $\frac{3}{8}$	B	91	3 $\frac{1}{2}$ x2 $\frac{1}{2}$	C	372
2 x 1 $\frac{1}{2}$	B	85	3 $\frac{1}{2}$ x3	C	370
2 x 3 $\frac{3}{4}$	C	93	4 x1	C	500
2 x1	C	100	4 x2	C	437
2 x1 $\frac{1}{4}$	C	95	4 x2 $\frac{1}{2}$	C	508
2 x1 $\frac{1}{2}$	C	108	4 x3	C	475
2 $\frac{1}{2}$ x 3 $\frac{3}{4}$	C	195 $\frac{1}{2}$	4x3 $\frac{1}{2}$	C	500
2 $\frac{1}{2}$ x1	C	185	.....	....	....

COUPLINGS

RIGHT-HAND			RIGHT AND LEFT-HAND		
Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
1 $\frac{1}{8}$	B	5 $\frac{1}{2}$	1 $\frac{1}{8}$	B	6
1 $\frac{1}{4}$	B	6 $\frac{1}{4}$	1 $\frac{1}{4}$	B	7 $\frac{1}{4}$
3 $\frac{3}{8}$	B	10	3 $\frac{3}{8}$	B	14
1 $\frac{1}{2}$	B	18	1 $\frac{1}{2}$	B	20
3 $\frac{3}{4}$	B	27	3 $\frac{3}{4}$	B	29
1	C	47	1	C	53
1 $\frac{1}{4}$	C	68	1 $\frac{1}{4}$	C	77
1 $\frac{1}{2}$	C	104	1 $\frac{1}{2}$	C	111
2	C	152	2	C	167

CAPS

1 $\frac{1}{4}$	B	5 $\frac{1}{2}$	1 $\frac{1}{2}$	C	64
3 $\frac{3}{8}$	B	7 $\frac{1}{2}$	2	C	112
1 $\frac{1}{2}$	B	15	2 $\frac{1}{2}$	C	185
3 $\frac{3}{4}$	B	21	3	C	275
1	B	35	3 $\frac{1}{2}$	C	315
1 $\frac{1}{4}$	C	58 $\frac{1}{2}$	4	C	400

MALLEABLE IRON FITTINGS

SIZES AND WEIGHTS

Weights are only Approximate and are not Guaranteed.

LOCKNUTS

Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{1}{8}$	B	$2\frac{3}{4}$	$1\frac{1}{2}$	C	34
$\frac{1}{4}$	B	$3\frac{1}{2}$	2	C	50
$\frac{3}{8}$	B	6	$2\frac{1}{2}$	C	185
$\frac{1}{2}$	B	7	3	C	200
$\frac{3}{4}$	B	13	$3\frac{1}{2}$	C	270
1	B	$17\frac{1}{2}$	4	C	494
$1\frac{1}{4}$	B	26	....	....	....

WASTE NUTS

$\frac{1}{4}$	B	5	$\frac{3}{4}$	B	10
$\frac{3}{8}$	B	7	1	B	15
$\frac{1}{2}$	B	10	....	....	....

EXTENSION PIECES

$\frac{3}{8} \times \frac{3}{8}$	B	10	1x1	B	40
$\frac{1}{2} \times \frac{1}{2}$	B	20	$1 \times \frac{3}{4}$	B	37
$\frac{3}{4} \times 1\frac{1}{2}$	B	$26\frac{1}{2}$	$1\frac{1}{4} \times \frac{3}{4}$	B	50
$\frac{3}{4} \times \frac{3}{4}$	B	$27\frac{1}{2}$	....	....	....

WALL PLATES

CHANDELIER HOOKS

Size Inches	Class	Weight Pounds per 100	LOOP			OPEN HOOK, MALE			OPEN HOOK, FEMALE		
			Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100	Size Inches	Class	Weight Pounds per 100
$\frac{3}{8}$	B	$14\frac{1}{2}$	$\frac{3}{8}$	B	16	$\frac{3}{8}$	B	18	$\frac{3}{8}$	B	20
....	....	....	$\frac{1}{2}$	B	20	$\frac{1}{2}$	B	27	$\frac{1}{2}$	B	22

PLUGS—CAST IRON

Size Inches	Weight Pounds per 100	Size Inches	Weight Pounds per 100
$\frac{1}{4}$	4	1	$27\frac{1}{2}$
$\frac{3}{8}$	7	$1\frac{1}{4}$	46
$\frac{1}{2}$	9	$1\frac{1}{2}$	$58\frac{1}{2}$
$\frac{3}{4}$	13	2	94

MALLEABLE IRON FITTINGS**ELBOWS****BANDED**

Plate 2706-H

45° BANDED

Plate 2707-H

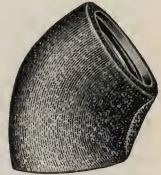
60° FLAIN

Plate 2708-H

STRAIGHT AND REDUCING

Size... inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Black... each	.06	.07	.08	.10	.15	.22	.25	.35	.50	.90	1.50	2.25	3.00	3.50	4.00	6.50
Galv... "	.08	.09	.11	.14	.20	.32	.40	.60	.90	1.50	2.60	3.75	5.00	....	6.50	10.00

RIGHT AND LEFT

Size..... inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, Black..... each	.09	.11	.13	.17	.25	.30	.40	.65
" Galvanized..... "	.12	.16	.17	.23	.35	.45	.65	1.00

45° AND 60°

Size..... inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Price, 45°, Blk. each	.08	.10	.12	.18	.26	.36	.54	.82	1.25	2.50	3.25	4.50	5.25	6.00	7.50
" 45°, Galv. "	.12	.15	.20	.25	.40	.50	.85	1.35	1.90	3.75	4.75	6.75	....	9.00	11.00
" 60°, Blk. "	....	....	....	....	....	.30	.45	.65	....	....	....	....	....	....	....
" 60°, Galv. "	....	....	....	....	....	.45	.70	1.05	....	....	....	....	....	....	....

STREET

Plate 2709-H

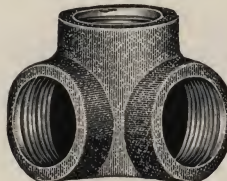
SIDE OUTLET

Plate 2710-H

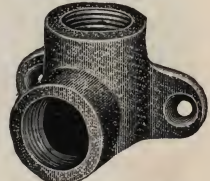
DROP, FEMALE

Plate 2711-H

STREET

Size..... inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Price, Black..... each	.08	.10	.10	.12	.20	.25	.40	.55	.90	1.50	2.25	3.50
" Galvanized..... "	.10	.12	.12	.15	.28	.35	.55	.80	1.30	2.25	3.50	....
" 45°, Black..... "	....	....	.12	.12	.20	.25	.40	.55	.90	....	2.25	3.50
" 45°, Galvanized... "	....	....	.15	.15	.28	.35	.55	.80	1.30	....	....	....

SIDE OUTLET

Size..... inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, Black..... each	.08	.10	.18	.30	.45	.60	1.00
" Galvanized..... "	.10	.15	.25	.45	.65	.90	1.50

DROP**LONG DROP**

Size..... inches	1/4	3/8	1/2	3/4	Size..... inches	1/4x3/8	3/8x3/8	1/2x3/8	1/2x1/2
Female, Black... each	.06	.08	.12	.20	Black..... each	.10	.10	.18	.18
" Galv.... "	.09	.12	.20	.35	Galvanized. "	.18	.18	.27	.27
M. and F. Black "	....	.08	.12	....	Drop Length..in.	2 3/8	2 1/2	3 1/8	3 1/8
" " Galv. "	....	.12	.20	....	.....	....	....	....	....

MALLEABLE IRON FITTINGS

TEES

BANDED



Plate 2713-H

PLAIN



Plate 2712-H

SERVICE



Plate 2714-H

STRAIGHT AND REDUCING

Size.....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Price, Black...each	.07	.08	.09	.11	.15	.25	.30	.45	.60	1.05	1.70	2.50	3.40	4.25	5.00	7.75
" Galv... "	.09	.10	.13	.16	.20	.38	.50	.70	1.00	1.90	3.00	4.25	5.75	....	8.00	12.00

SERVICE

Size.....inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3x2 1/2x3	3x3x4
Price, Black .....each	.12	.15	.25	.35	.50	.75	1.15	2.00	2.50	2.50	4.00
" Galvanized .. "	.15	.20	.35	.50	.70	1.10	1.65	....	....	....	....

TEES

FOUR-WAY



Plate 2715-H

DROP



Plate 2716-H

PLAIN



Plate 2717-H

CROSSES

BANDED



Plate 2718-H

FOUR-WAY AND DROP TEES

Size	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, Four-Way Tees, Black.....each	.12	.14	.20	.35	.50	.80	1.25
" " " Galvanized .. "	.17	.20	.28	.50	.70	1.10	1.75
" Drop Tees, Black..... "	.10	.14	.22	.30	....	....	....
" " " Galvanized .. "	.15	.25	.40	....	....	....	....
" " " M. and P. Black .. "	.10	.14	.22	.30	....	....	....
" " " Galvanized .. "	.15	.25	.40	....	....	....	....

LONG DROP TEES

Size.....inches	3/8	3/4x3/4x1 1/2	1x1x1 1/2	1 1/4x1 1/4x1 1/2
Drop Length.....inches	2 1/2	3 1/8	3 3/8	3 3/4
Price, Black.....each	.12	.30	.40	.60
" Galvanized .. "	.17	....	....	....

STRAIGHT AND REDUCING CROSSES

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
Price, Black.....each	.09	.10	.16	.20	.30	.40	.60	1.00	1.75	3.00	3.25	5.25	7.50	13.00
" Galv. "	.12	.14	.25	.29	.45	.60	.90	1.50	2.75	4.50	....	8.00	....	....

MALLEABLE IRON FITTINGS

CLOSE PATTERN



Plate 2719-H

RETURN BENDS

Close pattern return bends will not make up parallel coils, as the distance, center to center, of two adjacent bends is greater than the center to center of openings of a single bend.

MEDIUM PATTERN

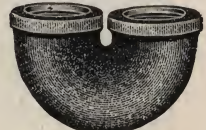


Plate 2720-H

CLOSE PATTERN

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Center to Center	inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{3}{8}$	$2\frac{5}{8}$
Price, R. H., Black	each	.18	.25	.35	.50	.75	1.00
“ “ Galvanized	“	.25	.35	.55	.75	1.15	1.65
“ R. and L., Black	“	.23	.30	.45	.60	.90	1.25
“ “ Galvanized	“	.35	.40	.65	.85	1.30	1.90
“ L. H., Black	“	.23	.30	.45	.60	.90	1.25

MEDIUM PATTERN

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Center to Center	inches	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3
Price, R. H., Black	each	.18	.25	.35	.50	.75	1.00
“ “ Galvanized	“	.25	.35	.55	.75	1.15	1.65
“ R. and L., Black	“	.23	.30	.45	.60	.90	1.25
“ “ Galvanized .....	“	....	.40	.65	....	....	....
“ L. H., Black	“	.23	.30	.45	.60	.90	1.25

OPEN PATTERN

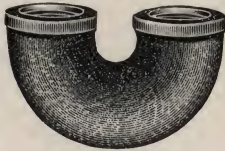


Plate 2721-H

SPECIAL WIDE PATTERN



Plate 2722-H

OPEN PATTERN

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Center to Center	inches	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5
Price, R. H., Black	each	.20	.30	.50	.65	.85	1.25	2.00	3.00
“ “ Galvanized	“	.28	.45	.70	.90	1.25	2.00	3.50	5.00
“ R. and L., Black	“	.25	.38	.60	.80	1.05	1.55	2.50	3.75
“ “ Galvanized .....	“	....	.55	.80	1.05	1.50	2.40	....	....
“ L. H., Black	“	.25	.38	.60	.80	1.05	1.55	2.50	3.75

SPECIAL WIDE PATTERN—RIGHT-HAND

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	3	4	6
Center to Center	inches	$1\frac{1}{2}$	4	6	6	6	5	$7\frac{1}{2}$	8	6	12
Price, Black	each	.25	1.00	1.25	1.25	1.25	2.00	3.00	5.00	8.00	16.00
“ Galvanized	“	.30	1.35	1.65	1.70	1.70	2.75	4.00	6.50	6.50	....

EXTRA HEAVY

Size	inches	1	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	2	2	2
Center to Center	inches	$1\frac{3}{4}$	$2\frac{1}{2}$	3	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	6	3	$3\frac{1}{2}$	4
Price, Black	each	.60	.75	.85	.90	.95	1.00	1.15	1.20	1.55	1.15	1.25	1.30

MALLEABLE IRON FITTINGS

"Y" BRANCH

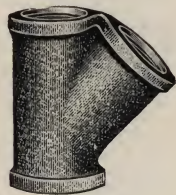


Plate 2723-H

CROSSOVER



Plate 2724-H

CROSSOVER TEE



Plate 2725-H

"Y" BRANCHES, STRAIGHT AND REDUCING

Size	inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Price, Black	each	.40	.50	.60	.80	1.00	1.70	2.00	4.00	5.50
" Galvanized	"	.60	.75	.90	1.25	1.50	2.50	3.00	6.00	8.25

60° "Y" BRANCHES

CROSSOVERS

CROSSOVER TEES

Size	inches	2	2x1 1/2	Size	inches	1/2	3/4	1	Size	inches	1 1/2	3/4
Price, Black	each	1.70	1.70	Price, Black	each	.20	.30	.45	Price, Black	each	..	..
" Galv.. "	"	2.50	2.50	" Galv.. "	"	.25	.40	.60	" Galv.. "	"	.38	.56

COUPLINGS

REDUCER



Plate 2726-H

R. H.



Plate 2727-H

R. AND L.



Plate 2728-H

CAP



Plate 2729-H

REDUCERS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, Black	each	.05	.06	.07	.10	.16	.20	.28	.45	.70	1.00	1.50	1.85
" Galvanized	"	.08	.10	.10	.15	.25	.35	.45	.75	1.05	1.65	2.40	3.05

RIGHT-HAND COUPLINGS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black	each	.03	.05	.07	.10	.14	.20	.25	.35	.60	.90
" Galvanized	"	.05	.07	.10	.17	.23	.30	.40	.55	.95	1.40

RIGHT AND LEFT-HAND COUPLINGS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black	each	.04	.06	.08	.12	.16	.25	.36	.52	.70	1.00
" Galvanized	"	.06	.09	.10	.17	.25	.35	.55	.75	1.05	1.50

CAPS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
Price, Black	each	.03	.04	.05	.08	.12	.16	.24	.32	.45	.85	1.00	1.20	2.50	3.50
" Galv..... "	"	.04	.05	.08	.12	.17	.24	.38	.52	.76	1.30	1.60	2.00	3.50	5.00

MALLEABLE IRON FITTINGS**BUSHING**

Plate 2730-H

FACED BUSHING

Plate 2731-H

LOCKNUT

Plate 2732-H

FACED LOCKNUT

Plate 2733-H

BUSHINGS—Reducing One Size Only

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, Black	each	.04	.04	.04	.05	.06	.07	.09	.14	.21
" Galvanized	"	.08	.08	.08	.10	.12	.14	.18	.28	.42

FACED BUSHINGS

Size	inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Price, Black	each	.08	.09	.11	.13	.17	.22	.32	.48	.70	1.20	1.50	2.10	2.60	3.75
" Galv. ....	"	....	....	....	....	.25	.33	.48	.72	1.05	1.80	2.25	....	....	....

LOCKNUTS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price, Black	each	.02	.03	.04	.05	.07	.09	.11	.18
" Galvanized	"	.03	.04	.05	.07	.10	.14	.20	.30

FACED LOCKNUTS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black	each	.08	.09	.10	.12	.15	.20	.25	.30	.35	.45
" Galvanized	"	.11	.13	.15	.18	.22	.30	.35	.45	.50	.65

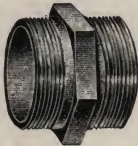
HEXAGON NIPPLE

Plate 2734-H

WASTE NUT

Plate 2735-H

EXTENSION PIECE

Plate 2736-H

HEXAGON NIPPLES, RIGHT AND LEFT

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, Black	each	.20	.20	.20	.25	.30	.40	.50	.70	1.10	1.50	1.90	2.40

Right-hand hexagon nipples made to order at a special price.

WASTE NUTS

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
Price, Black	each	.04	.05	.06	.08	.10	.15	.25
" Galvanized	"	.08	.10	.12	.16	.20	.30	.50

EXTENSION PIECES

Size	inches	3/8	1/2	3/4
Price, Black	each	.06	.09	.12
" Galvanized	"	.09	.13	.18

MALLEABLE IRON UNIONS, ETC.

MALLEABLE IRON UNIONS

STANDARD



Plate 2737-H

JARECKI



Plate 2738-H

Size.....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, Black... each	.18	.18	.20	.22	.27	.33	.46	.58	.75	1.55	2.10	3.65	4.35
" Galv.... "	.27	.27	.30	.33	.40	.50	.70	.90	1.15	2.35	3.15	5.50	6.50

JARECKI

Size.....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, Black... each	.18	.18	.20	.22	.27	.33	.46	.58	.75	1.55	2.10	3.65	4.35
" Galv.... "	.27	.27	.30	.33	.40	.50	.70	.90	1.15	2.35	3.15	5.50	6.50

WEBCO

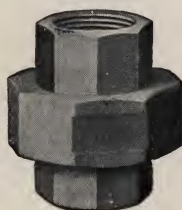


Plate 2739-H

WEBCO LOCK



Plate 2740-H

NOLEK

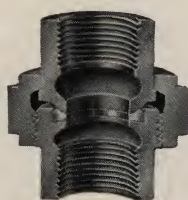


Plate 2741-H

WEBCO MALLEABLE IRON UNIONS, BRONZE SEAT.

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black.....each	.30	.40	.50	.60	.80	1.20	1.60	2.00	3.20	4.80
" Galvanized..... "	.45	.60	.75	.90	1.20	1.80	2.40	3.00	4.80	6.20

WEBCO LOCK UNIONS

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2
Price, Plain Iron, Bronze Seat.....each	....	.60	.80	1.20	1.60	2.00
" Galvanized Iron, Bronze Seat..... "	....	.90	1.20	1.80	2.40	3.00
" Rough Brass..... "	.75	1.00	1.40	....	....	....
" Finished Brass..... "	1.00	1.50	2.00	....	....	....

NOLEK BRONZE SEAT UNIONS

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black..each	.18	.22	.27	.33	.42	.60	.75	1.00	1.65	2.50
" Galvanized "	.27	.33	.41	.50	.63	.90	1.13	1.50	2.48	3.75



Plate 2742-H

RUBBER UNION GASKETS

Size.....inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price..per hundred	1.00	1.50	1.50	2.00	4.25	4.25	4.25

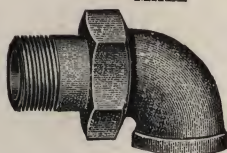
MALLEABLE IRON FITTINGS**MALE****UNION ELBOWS****FEMALE**

Plate 2743-H

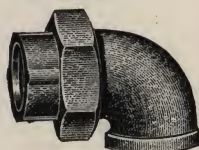


Plate 2744-H

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, Male, Black ..each	.43	.45	.48	.62	.72	1.05	1.20	1.80	3.30
" Female, " .. "	.38	.40	.42	.54	.63	.90	1.05	1.55	2.85
" Male, Galvanized.. "	.65	.70	.72	.93	1.08	1.60	1.80	2.70	4.95
" Female, " .. "	.57	.60	.63	.81	.95	1.35	1.58	2.35	4.30

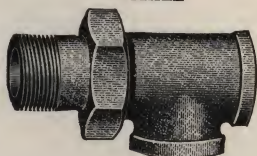
MALE**UNION TEES****FEMALE**

Plate 2745-H

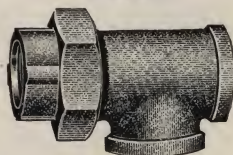


Plate 2746-H

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, Male, Black ..each	.48	.50	.52	.65	.80	1.10	1.30	1.95	3.70
" Female, " .. "	.40	.43	.45	.57	.70	.95	1.15	1.70	3.20
" Male, Galvanized.. "	.72	.75	.78	1.00	1.20	1.65	1.95	2.95	5.55
" Female, " .. "	.60	.65	.68	.86	1.05	1.45	1.75	2.55	4.80

BOILER ELBOW**BOILER ELBOW, WITH UNION**

Plate 2747-H

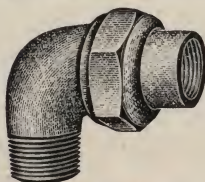


Plate 2748-H



Plate 2749-H

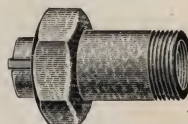
BOILER COUPLING WITH UNION

Plate 2750-H

Size.....inches	Female, Male 3/4x3/4x1	Female, Male 3/4x1 1/2x1	Female, Male 1 1/2x1 1/2x1
Price, Boiler Elbows, Galvanized ..each	.40	.40	.40
" " with Union, Galvanized "	.75	.75	.60
" " Couplings, Galvanized..... "	.40	.40	.40
" " with Union, Galvanized "	.75	.75	.60

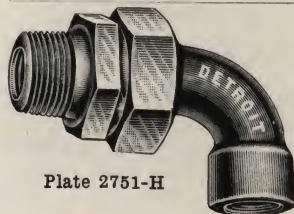


Plate 2751-H

ADJUSTABLE BOILER ELBOWS

Size.....inches	3/4x3/4x1	3/4x1 1/2x1	1 1/2x1 1/2x1
Price, Galvanized ..each	.75	.75	.60

RAILING FITTINGS

BALL PATTERN

No. 1



Plate 2752-H

No. 2



Plate 2753-H

No. 3



Plate 2754-H

No. 4



Plate 2755-H

No. 5



Plate 2756-H

No. 6



Plate 2757-H

No. 7



Plate 2758-H

No. 8



Plate 2759-H

Description.....	MALLEABLE IRON					FINISHED BRASS				
	3/4	1	1 1/4	1 1/2	2	3/4	1	1 1/4	1 1/2	2
Size.....inches										
Price, No. 1 Elbow.....each	.18	.20	.35	.45	.72	.60	.80	1.20	1.60	2.50
" " 2 " Side Outlet....."	.23	.25	.40	.50	.80	1.00	1.10	1.70	2.00	3.00
" " 3 Tee....."	.23	.25	.40	.50	.75	.85	1.10	1.70	2.00	3.00
" " 4 " Side Outlet....."	.33	.35	.45	.55	.90	1.25	1.50	2.00	2.40	3.50
" " 5 Cross....."	.33	.35	.45	.58	1.00	1.25	1.50	2.00	2.40	3.50
" " 6 " Side Outlet....."	.38	.40	.50	.65	1.35	1.45	1.70	2.25	3.00	4.00
" " 7 Floor Flange....."	.18	.20	.40	.50	.90	.90	1.00	1.35	1.75	2.50
" " 8 Ball Ornament....."	.18	.20	.25	.35	.90	.90	1.00	1.35	1.75	2.50

In ordering these fittings, describe kind wanted by number and size.
 Fittings tapped right-hand will be furnished, unless otherwise specified.
 Fittings tapped otherwise will be charged at 15 per cent additional, net.

We illustrate below Two Popular Style Railings as Erected with Our Fittings

No. 1

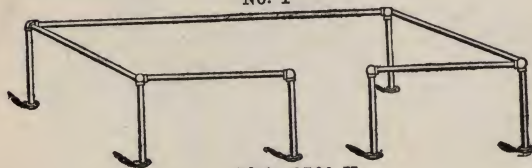


Plate 2760-H

To construct a railing two pipes high, the upper outlet of all fittings used in lower pipes should be tapped with *left-hand thread*.

As the fittings are not required to be steam or water-tight, a sufficiently clean thread to screw up well and make a good job can be made by running a *left-hand tap* into any outlet tapped *right-hand*.

No. 2

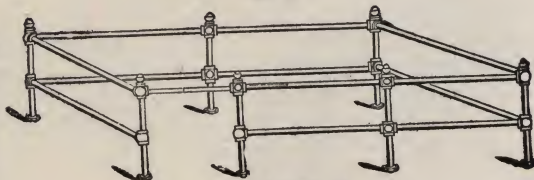


Plate 2761-H

A neat and simple gate can be made by reducing with a bushing the outlets of the fittings on each side of the passageway, and then using a smaller size pipe to slide back and forward inside of the top rail, with a pin to prevent its running back too far. See dotted line in illustration No. 2. Where fittings are required to have both right and left-hand outlets, please fully describe which outlets are wanted right-hand and which left-hand.

ADJUSTABLE RAILING FITTINGS

ELBOW



Plate 2762-H

TEE

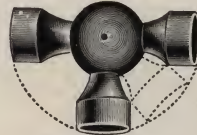


Plate 2763-H

CROSS

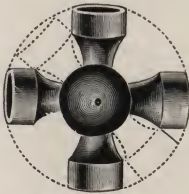


Plate 2764-H

STAIR TEE

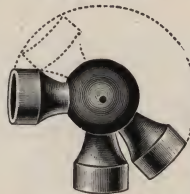


Plate 2765-H

STAIR CROSS

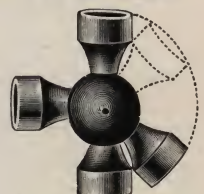


Plate 2766-H

MALLEABLE IRON

Size..... inches	1	1¼	1½	2
Price, Elbows..... each	1.10	1.25	1.70	2.25
“ Tees..... “	1.30	1.50	2.00	2.50
“ Crosses..... “	1.50	1.75	2.35	2.75
“ Stair Tees..... “	1.30	1.60	2.15	2.50
“ “ Crosses..... “	1.50	1.85	2.50	2.75

FINISHED BRASS

Size..... inches	1	1¼	1½	2
Price, Elbows..... each	2.75	3.15	4.25	5.65
“ Tees..... “	3.25	3.75	5.00	6.25
“ Crosses..... “	3.75	4.40	5.90	6.90
“ Stair Tees..... “	3.25	4.00	5.40	6.25
“ “ Crosses..... “	3.75	4.65	6.25	6.90

By means of these Fittings, almost any angle may be obtained in Railings for stairs and other places requiring a deviation from horizontal or perpendicular lines, which would otherwise require special patterns to attain the same results.

STAIR LANDING TEE



Plate 2767-H

STAIR LANDING CROSS



Plate 2768-H

LOAFER RAIL

Made in 18-inch Lengths



Plate 2769-H

MALLEABLE IRON

Size..... inches	1	1¼	1½	2
Price, Stair Landing Tees..... each	.90	1.10	1.50	2.15
“ “ Crosses..... “	1.00	1.20	1.60	2.40
“ Loafer Rail, per length of 18 inches..... “	.30	.30	.30	.30

WROUGHT IRON NIPPLES

SHORT NIPPLE



Plate 2770-H

SHOULDER NIPPLE



Plate 2771-H

BLACK RIGHT-HAND NIPPLES

LENGTH, INCHES						Size, Inches	PRICE EACH		PRICE, EXTRA LONG NIPPLES, EACH										
Close	Short	Long					Close or Short	Long	LENGTH, INCHES										
		4	5	6	7				8	9	10	11	12						
¾	1½	2	2½	3	3½	⅛	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19		
⅞	1½	2	2½	3	3½	¼	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19		
1	1½	2	2½	3	3½	⅜	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19		
1⅛	1½	2	2½	3	3½	½	.05	.07	.08	.10	.12	.14	.16	.18	.20	.22	.23		
1⅜	2	2½	3	3½	4	¾	.06	.09	...	.11	.13	.17	.18	.20	.22	.24	.26
1½	2	2½	3	3½	4	1	.08	.13	...	.15	.18	.23	.25	.28	.31	.34	.36
1⅝	2½	3	3½	4	4½	1¼	.11	.17	...	.20	.24	.29	.33	.36	.40	.44	.47
1¾	2½	3	3½	4	4½	1½	.13	.20	...	.25	.29	.36	.40	.45	.50	.54	.59
2	2½	3	3½	4	4½	2	.18	.27	...	.32	.38	.50	.54	.59	.65	.72	.77
2½	3	3½	4	4½	5	2½	.39	.59	...	...	.68	.90	.97	1.06	1.17	1.26	1.35
2½	3	3½	4	4½	5	3	.48	.72	...	...	.85	1.08	1.20	1.33	1.45	1.58	1.70
2¾	4	4½	5	5½	6	3½	.75	1.05	...	...	...	1.30	1.45	1.60	1.75	1.90	2.05
3	4	4½	5	5½	6	4	.85	1.20	...	...	...	1.52	1.69	1.87	2.05	2.22	2.40
3	4	4½	5	5½	6	4½	1.25	1.70	...	...	...	2.25	2.50	2.75	2.95	3.17	3.40
3¼	4½	5	5½	6	6½	5	1.55	2.45	...	...	...	2.58	2.83	3.10	3.35	3.60	3.85
3¼	4½	5	5½	6	6½	6	1.85	2.90	...	...	...	3.05	3.35	3.70	4.00	4.30	4.65
3½	5	...	...	...	...	7	3.20	...	...	...	3.60	4.05	4.45	4.90	5.30	5.75	6.15
3½	5	...	...	...	...	8	3.55	...	...	...	4.05	4.55	5.05	5.50	6.00	6.50	7.00
4	5	...	...	...	...	9	5.25	...	...	...	...	...	6.50	7.10	7.75	8.40	9.00
4	5	...	...	...	...	10	6.75	...	...	...	...	...	8.25	8.90	9.70	10.40	11.15
4	5	...	...	...	...	12	8.00	...	...	...	...	...	10.00	10.80	11.75	12.70	13.65

Nipples made to order from extra heavy pipe at double above list. Nipples larger than 12 inches made to order and charged as cut pipe. Threads extra.

WROUGHT IRON NIPPLES

BLACK RIGHT AND LEFT-HAND NIPPLES

LENGTH, INCHES						Size, Inches	PRICE, EA.		PRICE, EXTRA LONG NIPPLES, EACH									
Close	Short	Long					Close or Short	Long	LENGTH, INCHES									
									4	5	6	7	8	9	10	11	12	
$\frac{3}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{1}{8}$	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27
$\frac{7}{8}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{3}{8}$	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27
1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{1}{2}$	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27
$1\frac{1}{8}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{3}{4}$	.07	.10	.11	.13	.16	.18	.21	.24	.27	.29	.31
$1\frac{3}{8}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	1	.08	.12	....	.15	.17	.23	.25	.27	.29	.32	.35
$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$1\frac{1}{4}$	.11	.18	....	.20	.24	.31	.33	.37	.41	.45	.48
$1\frac{5}{8}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	$1\frac{1}{2}$	.15	.23	....	.27	.32	.39	.45	.50	.55	.60	.65
$1\frac{3}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	2	.18	.27	....	.34	.39	.48	.52	.60	.67	.72	.80
2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	2	.24	.36	....	.43	.51	.67	.72	.80	.87	.96	1.03
$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$2\frac{1}{2}$	.52	.79	....	....	.91	1.20	1.30	1.40	1.55	1.68	1.80
$2\frac{3}{4}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	3	.65	.96	....	....	1.13	1.44	1.60	1.77	1.93	2.10	2.27
$2\frac{7}{8}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$3\frac{1}{2}$	1.00	1.40	....	....	....	1.75	1.95	2.15	2.35	2.55	2.75
3	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	4	1.15	1.60	....	....	....	2.00	2.25	2.50	2.75	3.00	3.25

Add 60 per cent to above prices for galvanized right and left nipples.

GALVANIZED RIGHT-HAND NIPPLES

LENGTH, INCHES						Size, Inches	PRICE, EA.		PRICE, EXTRA LONG NIPPLES, EACH									
Close	Short	Long					Close or Short	Long	LENGTH, INCHES									
									4	5	6	7	8	9	10	11	12	
$\frac{3}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{1}{8}$	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34
$\frac{7}{8}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{1}{4}$	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34
1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{3}{8}$	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34
$1\frac{1}{8}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$\frac{1}{2}$	.06	.11	.13	.16	.18	.23	.26	.28	.31	.33	.36
$1\frac{3}{8}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$\frac{3}{4}$	.08	.14	....	.18	.21	.26	.29	.32	.35	.38	.41
$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	1	.11	.19	....	.24	.28	.34	.38	.42	.47	.51	.55
$1\frac{5}{8}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	$1\frac{1}{4}$	.17	.29	....	.32	.38	.45	.51	.57	.63	.69	.75
$1\frac{3}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	$1\frac{1}{2}$	.21	.35	....	.39	.46	.55	.63	.70	.77	.84	.91
2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	2	.27	.47	....	.52	.61	.74	.83	.93	1.03	1.13	1.23
$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$2\frac{1}{2}$	.56	.86	....	....	1.00	1.26	1.41	1.56	1.71	1.86	2.01
$2\frac{3}{4}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	3	.70	1.10	....	....	1.30	1.60	1.80	2.00	2.20	2.40	2.60
$2\frac{7}{8}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$3\frac{1}{2}$	1.20	1.70	....	....	....	2.10	2.35	2.60	2.85	3.15	3.40
3	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	4	1.35	1.87	....	....	....	2.30	2.60	2.90	3.20	3.50	3.80
3	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$4\frac{1}{2}$	1.85	2.60	....	....	....	3.30	3.65	4.05	4.45	4.85	5.25
$3\frac{1}{4}$	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$6\frac{1}{2}$	5	2.30	3.15	....	....	....	3.75	4.20	4.60	5.00	5.40	5.85
$3\frac{1}{4}$	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	$6\frac{1}{2}$	6	2.80	4.25	....	....	....	4.50	5.00	5.55	6.05	6.60	7.15
$3\frac{1}{2}$	5	....	....	....	....	7	4.25	....	....	....	4.95	5.65	6.35	7.05	7.75	8.45	9.20
$3\frac{1}{2}$	5	....	....	....	....	8	5.00	....	....	....	5.80	6.65	7.50	8.35	9.25	10.10	10.95

WROUGHT IRON FITTINGS

LONG SCREW



Plate 2772-H

WROUGHT IRON COUPLING



Plate 2773-H

LONG SCREWS WITH COUPLING AND LOCKNUT FACED

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Black.....each	.30	.35	.40	.55	.75	1.00	1.30	1.70	2.70	3.70	5.40	6.60
Galvanized....."	.35	.40	.50	.66	1.00	1.25	1.60	2.10	3.10	4.70	6.50	7.75
Standard Length,inches	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	7	8	$8\frac{1}{2}$	9

WROUGHT IRON PIPE COUPLINGS

Size.....inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Black.....each	.05	.05	.06	.07	.10	.13	.17	.21	.28	.40	.60
Galvanized....."	.06	.06	.08	.10	.13	.18	.25	.32	.40	.55	.80
Right and Left, Black.."	...	.07	.08	.11	.15	.20	.25	.30	.50	.85	1.20

Size.....inches	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8	9	10	12	....
Black.....each	.80	1.00	1.50	1.65	2.40	3.25	4.25	5.50	7.50	10.00	....
Galvanized....."	1.05	1.40	2.00	2.25	3.25	...	...	...	...	...	....
Right and Left, Black.."	1.60	2.00	...	...	...	...	...	...	...	...	....

COUPLINGS

WITH PROTECTING SLEEVE

For Casing, Tubing, Line Pipe,
and Drive Pipe

Plate 2774-H



Plate 2775-H

CASING COUPLINGS

Inside Diam. inches	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	$4\frac{3}{4}$	5
Black.....each	.16	.20	.25	.30	.35	.40	.46	.52	.60	.68	.74	.80	.90
Galvanized ... "	.23	.28	.35	.42	.50	.57	.65	.73	.85	1.00	1.05	1.15	1.30
R. and L. Black "	1.70	1.80	2.00	2.10	2.50	2.60	3.00	3.10	3.70	3.95	4.55	4.85	5.25

Inside Diam. inches	$5\frac{1}{16}$	$5\frac{5}{8}$	$6\frac{1}{4}$	$6\frac{5}{8}$	$7\frac{1}{4}$	$7\frac{5}{8}$	$8\frac{1}{4}$	$8\frac{5}{8}$	$9\frac{5}{8}$	$10\frac{5}{8}$	$11\frac{5}{8}$	$12\frac{1}{2}$	$13\frac{1}{2}$
Black.....each	1.00	1.20	1.35	1.50	1.65	1.75	2.25	2.85	3.50	4.50	5.15	6.75	7.60
Galvanized ... "	1.40	1.70	1.90	2.15	2.35	2.50	3.25	3.75	5.00	6.15	6.95	8.85	10.15
R. and L. Black "	5.50	6.10	6.45	7.10	7.55	8.30	9.30	10.25	11.80	13.25	14.25	16.80	18.65

TUBING, LINE PIPE AND DRIVE PIPE COUPLINGS

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$
Price, Plain.....each	.10	.12	.15	.25	.30	.40	.60	.80	1.30	1.50	2.00
" Galvanized....."	.14	.16	.21	.37	.46	.57	.85	1.15	1.90	2.15	2.85
" Plain R. & L."	.15	.18	.23	.38	.45	.70	1.20	1.60	2.60	3.00	7.75
" Galvanized R. & L. "	.21	.25	.31	.53	.63	.98	1.70	2.25	3.65	4.20	9.15

Size.....inches	5	6	7	8	9	10	12	13	14	15	..
Price, Plain.....each	2.40	2.80	3.85	4.00	5.00	6.00	8.00	10.00	13.00	20.00	...
" Galvanized....."	3.45	4.00	5.55	5.80	7.25	8.75	11.15	13.75	17.75	25.00	...
" Plain R. & L."	8.50	9.75	10.00	11.50	12.00	14.75	18.25	...	...	...	...
" Galvanized R. & L. "	10.50	12.00	12.75	15.75	16.75	20.25	25.50	...	...	...	...

CAST IRON FITTINGS

LIST OF SIZES

ELBOWS



$\frac{1}{4} \times \frac{1}{4}$	1 x 1	$\frac{1}{2} \times \frac{1}{2}$	$\frac{2}{2} \times \frac{2}{2}$	$\frac{3}{2} \times 3$	$4\frac{1}{2} \times 4$	7 x 7
$\frac{3}{8} \times \frac{3}{8}$	1 x $\frac{3}{4}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{2}{2} \times 2$	$\frac{3}{2} \times 2\frac{1}{2}$	5 x 5	7 x 6
$\frac{3}{8} \times \frac{1}{4}$	1 x $\frac{1}{2}$	$\frac{1}{2} \times 1$	$\frac{2}{2} \times 1\frac{1}{2}$	$\frac{3}{2} \times 2$	5 x $4\frac{1}{2}$	8 x 8
$\frac{1}{2} \times \frac{1}{2}$	1 x $\frac{3}{8}$	$\frac{1}{2} \times \frac{3}{4}$	$\frac{2}{2} \times \frac{1}{4}$	4 x 4	5 x 4	8 x 7
$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{4} \times \frac{1}{4}$	2 x 2	3 x 3	4 x $3\frac{1}{2}$	5 x 3	8 x 6
$\frac{1}{2} \times \frac{1}{4}$	$\frac{1}{4} \times 1$	2 x $\frac{1}{2}$	3 x $2\frac{1}{2}$	4 x 3	5 x $2\frac{1}{2}$	9 x 9
$\frac{3}{4} \times \frac{3}{4}$	$\frac{1}{4} \times \frac{3}{4}$	2 x $\frac{1}{4}$	3 x 2	4 x $2\frac{1}{2}$	6 x 6	10 x 10
$\frac{3}{4} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{1}{2}$	2 x 1	3 x $\frac{1}{2}$	4 x 2	6 x 5	12 x 12
$\frac{3}{4} \times \frac{3}{8}$	$\frac{1}{4} \times \frac{3}{8}$	2 x $\frac{3}{4}$	$\frac{3}{2} \times \frac{3}{2}$	$4\frac{1}{2} \times 4\frac{1}{2}$	6 x 4

RIGHT AND LEFT ELBOWS

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$\frac{1}{4}$	$\frac{1}{2}$	2	$2\frac{1}{2}$	3
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45° ELBOWS

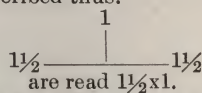
$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
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PITCHED ELBOWS

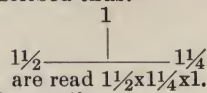
$\frac{3}{4} \times \frac{1}{2}$	1	$\frac{1}{2} \times 1$	$2 \times \frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2} \times 3$
$\frac{3}{4}$	$1\frac{1}{4} \times 1$	$\frac{1}{2} \times 1\frac{1}{4}$	2	$3 \times 2\frac{1}{2}$	$\frac{3}{2}$
$1 \times \frac{3}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	$2\frac{1}{2} \times 2$	3	4

TEES

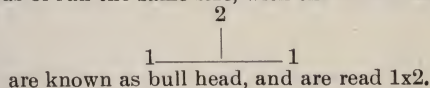
Tees reducing on the outlet are described thus:



Tees reducing on the run are described thus:



Tees with both ends of run the same size, with the outlet larger, thus:



$\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$	$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{4}$	1 x $\frac{3}{4}$ x $\frac{3}{4}$	$\frac{3}{4} \times \frac{1}{2} \times 1$	$1\frac{1}{4} \times 1 \times 1\frac{1}{4}$
$\frac{3}{8} \times \frac{3}{8} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2}$	$\frac{1}{2} \times \frac{1}{2} \times \frac{3}{4}$	1 x $\frac{3}{4}$ x $\frac{1}{2}$	$\frac{1}{2} \times \frac{1}{2} \times 1$	$1\frac{1}{4} \times 1 \times 1$
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{8}$	1 x 1 x 1	1 x $\frac{1}{2}$ x 1	$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$	$1\frac{1}{4} \times 1 \times \frac{3}{4}$
$\frac{1}{2} \times \frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{4}$	1 x 1 x $\frac{3}{4}$	1 x $\frac{1}{2}$ x $\frac{3}{4}$	$1\frac{1}{4} \times 1\frac{1}{4} \times 1$	$1\frac{1}{4} \times 1 \times \frac{1}{2}$
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$	1 x 1 x $\frac{1}{2}$	1 x $\frac{1}{2}$ x $\frac{1}{2}$	$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{4}$	$1\frac{1}{4} \times \frac{3}{4} \times 1\frac{1}{4}$
$\frac{1}{2} \times \frac{3}{8} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{1}{2} \times \frac{3}{4}$	1 x 1 x $\frac{3}{8}$	1 x $\frac{3}{8}$ x 1	$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{2}$	$1\frac{1}{4} \times \frac{3}{4} \times 1$
$\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{2}$	1 x 1 x $\frac{1}{4}$	1 x $\frac{1}{4}$ x 1	$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{8}$	$1\frac{1}{4} \times \frac{3}{4} \times \frac{3}{4}$
$\frac{3}{8} \times \frac{3}{8} \times \frac{1}{2}$	$\frac{3}{4} \times \frac{3}{8} \times \frac{3}{8}$	1 x $\frac{3}{4}$ x 1	$\frac{3}{4} \times \frac{3}{4} \times 1$	$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{4}$	$1\frac{1}{4} \times \frac{1}{2} \times 1\frac{1}{4}$

LIST OF SIZES OF CAST IRON FITTINGS TEES

1 1/4 x 1/4 x 1 1/4	2 x 3/4 x 2	3 x 2 1/2 x 3	4 x 3 1/2 x 4	5 x 5 x 3 1/4	7 x 7 x 2 1/2
1 1/4 x 1 1/2 x 1	2 x 3/4 x 1 1/2	3 x 2 1/2 x 2 1/2	4 x 3 1/2 x 3 1/2	5 x 4 x 5	7 x 7 x 2
1 x 1 x 1 1/4	2 x 1 1/2 x 1 1/2	3 x 2 1/2 x 2	4 x 3 1/2 x 3	5 x 4 x 4 1/2	7 x 6 x 7
1 x 3/4 x 1 1/4	2 x 1 1/4 x 2	3 x 2 1/2 x 1 1/2	4 x 3 1/2 x 2 1/2	5 x 4 x 4	7 x 6 x 6
3/4 x 3/4 x 1 1/4	2 x 1 1/2 x 2	3 x 2 1/2 x 1 1/4	4 x 3 1/2 x 2	5 x 4 x 3 1/2	7 x 6 x 5
1 1/2 x 1 1/2 x 1 1/2	1 1/2 x 1 1/2 x 2	3 x 2 1/2 x 1	4 x 3 1/2 x 1 1/2	5 x 4 x 3	7 x 6 x 4
1 1/2 x 1 1/2 x 1 1/4	1 1/2 x 1 1/4 x 2	3 x 2 1/2 x 3/4	4 x 3 1/2 x 1 1/4	5 x 4 x 2 1/2	7 x 6 x 3
1 1/2 x 1 1/2 x 1	1 1/2 x 1 x 2	3 x 2 x 3	4 x 3 1/2 x 1	5 x 4 x 2	7 x 5 x 6
1 1/2 x 1 1/2 x 3/4	1 1/2 x 3/4 x 2	3 x 2 x 2 1/2	4 x 3 x 4	5 x 4 x 1 1/2	7 x 5 x 5
1 1/2 x 1 1/2 x 1/2	1 1/4 x 1 1/4 x 2	3 x 2 x 2	4 x 3 x 3 1/2	5 x 3 1/2 x 3 1/2	6 x 6 x 7
1 1/2 x 1 1/4 x 1 1/2	1 1/4 x 1 x 2	3 x 2 x 1 1/2	4 x 3 x 3	5 x 3 x 5	5 x 5 x 7
1 1/2 x 1 1/4 x 1 1/4	1 1/4 x 3/4 x 2	3 x 2 x 1 1/4	4 x 3 x 2 1/2	5 x 3 x 4 1/2	8 x 8 x 8
1 1/2 x 1 1/4 x 1	1 x 1 x 2	3 x 2 x 1	4 x 3 x 2	5 x 3 x 4	8 x 8 x 7
1 1/2 x 1 1/4 x 3/4	1 x 3/4 x 2	3 x 1 1/2 x 3	4 x 3 x 1 1/2	5 x 3 x 3 1/2	8 x 8 x 6
1 1/2 x 1 1/4 x 1/2	3/4 x 3/4 x 2	3 x 1 1/2 x 2 1/2	4 x 3 x 1 1/4	5 x 3 x 3	8 x 8 x 5
1 1/2 x 1 x 1 1/2	2 1/2 x 2 1/2 x 2 1/2	3 x 1 1/2 x 2	4 x 3 x 1	5 x 3 x 2 1/2	8 x 8 x 4
1 1/2 x 1 x 1 1/4	2 1/2 x 2 1/2 x 2	3 x 1 1/4 x 3	4 x 3 x 3/4	5 x 3 x 2	8 x 8 x 3 1/2
1 1/2 x 1 x 1	2 1/2 x 2 1/2 x 1 1/2	3 x 1 x 3	4 x 2 1/2 x 4	5 x 2 1/2 x 5	8 x 8 x 3
1 1/2 x 1 x 3/4	2 1/2 x 2 1/2 x 1 1/4	2 1/2 x 2 1/2 x 3	4 x 2 1/2 x 3 1/2	5 x 2 1/2 x 4	8 x 8 x 2 1/2
1 1/2 x 1 x 1/2	2 1/2 x 2 1/2 x 1	2 1/2 x 2 x 3	4 x 2 1/2 x 3	5 x 2 1/2 x 3	8 x 8 x 2
1 1/2 x 3/4 x 1 1/2	2 1/2 x 2 1/2 x 3/4	2 1/2 x 1 1/2 x 3	4 x 2 1/2 x 2 1/2	5 x 2 x 5	8 x 8 x 1 1/4
1 1/2 x 3/4 x 1 1/4	2 1/2 x 2 1/2 x 1/2	2 x 2 x 3	4 x 2 1/2 x 2	5 x 1 1/4 x 5	8 x 7 x 8
1 1/2 x 3/4 x 1	2 1/2 x 2 x 2 1/2	3 1/2 x 3 1/2 x 3 1/2	4 x 2 1/2 x 1 1/2	4 x 4 x 5	8 x 7 x 6
1 1/2 x 3/4 x 3/4	2 1/2 x 2 x 2	3 1/2 x 3 1/2 x 3	4 x 2 1/2 x 1 1/4	6 x 6 x 6	8 x 7 x 5
1 1/2 x 1 1/2 x 1 1/2	2 1/2 x 2 x 1 1/2	3 1/2 x 3 1/2 x 2 1/2	4 x 2 1/2 x 1	6 x 6 x 5	8 x 7 x 4
1 1/2 x 1 1/2 x 1 1/4	2 1/2 x 2 x 1 1/4	3 1/2 x 3 1/2 x 2	4 x 2 x 4	6 x 6 x 4 1/2	8 x 7 x 3
1 1/4 x 1 1/4 x 1 1/2	2 1/2 x 2 x 1	3 1/2 x 3 1/2 x 1 1/2	4 x 2 x 3	6 x 6 x 4	8 x 6 x 8
1 1/4 x 1 x 1 1/2	2 1/2 x 2 x 3/4	3 1/2 x 3 1/2 x 1 1/4	4 x 2 x 2 1/2	6 x 6 x 3 1/2	8 x 6 x 7
1 1/4 x 3/4 x 1 1/2	2 1/2 x 2 x 1/2	3 1/2 x 3 1/2 x 1	4 x 2 x 2	6 x 6 x 3	8 x 6 x 6
1 1/4 x 1 1/2 x 1 1/2	2 1/2 x 1 1/2 x 2 1/2	3 1/2 x 3 1/2 x 3/4	4 x 1 1/2 x 4	6 x 6 x 2 1/2	8 x 5 x 8
1 x 1 x 1 1/2	2 1/2 x 1 1/2 x 2	3 1/2 x 3 x 3 1/2	4 x 1 1/4 x 4	6 x 6 x 2	8 x 5 x 5
1 x 3/4 x 1 1/2	2 1/2 x 1 1/2 x 1 1/2	3 1/2 x 3 x 3	4 x 1 x 4	6 x 6 x 1 1/2	8 x 4 x 8
3/4 x 3/4 x 1 1/2	2 1/2 x 1 1/2 x 1 1/4	3 1/2 x 3 x 2 1/2	3 1/2 x 3 1/2 x 4	6 x 6 x 1 1/4	8 x 4 x 6
2 x 2 x 2	2 1/2 x 1 1/2 x 1	3 1/2 x 3 x 2	3 x 3 x 4	6 x 6 x 1	6 x 6 x 8
2 x 2 x 1 1/2	2 1/2 x 1 1/4 x 2 1/2	3 1/2 x 3 x 1 1/2	2 1/2 x 2 1/2 x 4	6 x 5 x 6	9 x 9 x 9
2 x 2 x 1 1/4	2 1/2 x 1 1/4 x 2	3 1/2 x 3 x 1 1/4	2 x 2 x 4	6 x 5 x 5	9 x 9 x 7
2 x 2 x 1	2 1/2 x 1 1/4 x 1 1/2	3 1/2 x 3 x 1	4 1/2 x 4 1/2 x 4 1/2	6 x 5 x 4	9 x 9 x 6
2 x 2 x 3/4	2 1/2 x 1 x 2 1/2	3 1/2 x 3 x 3/4	4 1/2 x 4 1/2 x 4	6 x 5 x 3 1/2	9 x 9 x 5
2 x 2 x 1/2	2 1/2 x 3/4 x 2 1/2	3 1/2 x 2 1/2 x 3 1/2	4 1/2 x 4 1/2 x 3 1/2	6 x 5 x 3	10 x 10 x 10
2 x 2 x 1/4	2 1/2 x 1 1/2 x 2 1/2	3 1/2 x 2 1/2 x 3	4 1/2 x 4 1/2 x 3	6 x 5 x 2 1/2	10 x 10 x 8
2 x 1 1/2 x 2	2 x 2 x 2 1/2	3 1/2 x 2 1/2 x 2 1/2	4 1/2 x 4 1/2 x 2 1/2	6 x 5 x 1 1/2	10 x 10 x 6
2 x 1 1/2 x 1 1/2	2 x 1 1/2 x 2 1/2	3 1/2 x 2 1/2 x 2	4 1/2 x 4 1/2 x 2	6 x 4 x 6	10 x 10 x 5
2 x 1 1/2 x 1 1/4	2 x 1 1/4 x 2 1/2	3 1/2 x 2 x 3 1/2	4 1/2 x 4 1/2 x 1 1/2	6 x 4 x 4	10 x 10 x 4
2 x 1 1/2 x 1	2 x 1 x 2 1/2	3 1/2 x 1 1/2 x 3 1/2	4 1/2 x 4 1/2 x 1 1/4	6 x 4 x 3	10 x 10 x 3
2 x 1 1/2 x 3/4	2 x 3/4 x 2 1/2	3 1/2 x 1 1/4 x 3 1/2	4 1/2 x 4 1/2 x 1	6 x 3 x 6	10 x 10 x 2
2 x 1 1/2 x 1/2	1 1/2 x 1 1/2 x 2 1/2	3 1/2 x 1 x 3 1/2	4 1/2 x 4 x 3	6 x 2 1/2 x 6	10 x 8 x 8
2 x 1 1/4 x 2	1 1/2 x 1 1/4 x 2 1/2	3 x 3 x 3 1/2	5 x 5 x 5	6 x 2 x 6	8 x 8 x 10
2 x 1 1/4 x 1 1/2	1 1/2 x 1 x 2 1/2	4 x 4 x 4	5 x 5 x 4 1/2	5 x 5 x 6	12 x 12 x 12
2 x 1 1/4 x 1 1/4	3 x 3 x 3	4 x 4 x 3 1/2	5 x 5 x 4	5 x 3 1/2 x 6	12 x 12 x 10
2 x 1 1/4 x 1	3 x 3 x 2 1/2	4 x 4 x 3	5 x 5 x 3 1/2	4 x 4 x 6	12 x 12 x 8
2 x 1 1/4 x 3/4	3 x 3 x 2	4 x 4 x 2 1/2	5 x 5 x 3	7 x 7 x 7	12 x 12 x 6
2 x 1 x 2	3 x 3 x 1 1/2	4 x 4 x 2	5 x 5 x 2 1/2	7 x 7 x 6	12 x 12 x 5
2 x 1 x 1 1/2	3 x 3 x 1 1/4	4 x 4 x 1 1/2	5 x 5 x 2	7 x 7 x 5	12 x 12 x 4
2 x 1 x 1 1/4	3 x 3 x 1	4 x 4 x 1 1/4	5 x 5 x 1 1/2	7 x 7 x 4	12 x 8 x 10
2 x 1 x 1	3 x 3 x 3/4	4 x 4 x 1	5 x 5 x 1 1/4	7 x 7 x 3 1/2	12 x 8 x 8
2 x 1 x 3/4	3 x 3 x 1/2	4 x 4 x 3/4	5 x 5 x 1	7 x 7 x 3	.....

LIST OF SIZES OF CAST IRON FITTINGS CROSSES



$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	2 x2 x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	3 x3 x2 $\frac{1}{2}$ x2 $\frac{1}{2}$	3 $\frac{1}{2}$ x3 x2 x1 $\frac{1}{2}$	6x 6x 4 x 4
$\frac{3}{4} \times \frac{3}{4} \times \frac{3}{4} \times \frac{3}{4}$	2 x2 x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	3 x3 x2 x2	3 $\frac{1}{2}$ x3 x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	6x 6x 3 x 3
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2} \times \frac{1}{2}$	2 x2 x1 x1	3 x3 x2 x1 $\frac{1}{2}$	3 $\frac{1}{2}$ x3 x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	6x 6x 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$
$\frac{3}{4} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	2 x2 x $\frac{3}{4}$ x $\frac{3}{4}$	3 x3 x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	4 x4 x4 x4	6x 6x 2 x 2
1 x1 x1 x1	2 x1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1	3 x3 x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	4 x4 x3 $\frac{1}{2}$ x3 $\frac{1}{2}$	7x 7x 7 x 7
1 x1 x $\frac{3}{4}$ x $\frac{3}{4}$	2 x1 $\frac{1}{2}$ x1 x1	3 x3 x1 $\frac{1}{2}$ x $\frac{3}{4}$	4 x4 x3 x3	7x 7x 6 x 6
1 x1 x $\frac{1}{2}$ x $\frac{1}{2}$	2 x1 $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$	3 x3 x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	4 x4 x2 $\frac{1}{2}$ x2 $\frac{1}{2}$	7x 7x 5 x 5
1 x $\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x2 $\frac{1}{2}$	3 x3 x1 x1	4 x4 x2 x2	8x 8x 8 x 8
$\frac{1}{4}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x2 x2	3 x3 x $\frac{3}{4}$ x $\frac{3}{4}$	4 x4 x2 x1 $\frac{1}{2}$	8x 8x 7 x 7
$\frac{1}{4}$ x1 $\frac{1}{4}$ x1 x1	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	3 x2 $\frac{1}{2}$ x2 x2	4 x4 x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	8x 8x 6 x 6
$\frac{1}{4}$ x1 $\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	3 x2 $\frac{1}{2}$ x2 x1 $\frac{1}{2}$	4 x4 x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	8x 8x 5 x 5
$\frac{1}{4}$ x1 $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1 x1	3 x2 $\frac{1}{2}$ x2 x1 $\frac{1}{4}$	4 x4 x1 x1	8x 8x 4 x 4
$\frac{1}{4}$ x1 x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$	3 x2 $\frac{1}{2}$ x2 x $\frac{3}{4}$	4 x3 $\frac{1}{2}$ x2 x2	9x 9x 9 x 9
$\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x2 x2 x1 $\frac{1}{2}$	3 x2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	4 x3 $\frac{1}{2}$ x2 x1 $\frac{1}{2}$	10x10x10 x10
$\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2 x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	3 x2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	4 x3 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	10x10x 8 x 8
$\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	2 $\frac{1}{2}$ x2 x1 $\frac{1}{2}$ x1 $\frac{1}{4}$	3 x2 $\frac{1}{2}$ x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	4 $\frac{1}{2}$ x4 $\frac{1}{2}$ x4 $\frac{1}{2}$ x4 $\frac{1}{2}$	10x10x 7 x 7
$\frac{1}{2}$ x1 $\frac{1}{2}$ x1 x1	2 $\frac{1}{2}$ x2 x1 $\frac{1}{2}$ x1	3 x2 x2 x2	5 x5 x5 x5	12x12x12 x12
$\frac{1}{2}$ x1 $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x2 x1 $\frac{1}{4}$ x1 $\frac{1}{4}$	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{2}$	5 x5 x4 x4	12x12x10 x10
$\frac{1}{2}$ x1 $\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$	2 $\frac{1}{2}$ x2 x1 $\frac{1}{4}$ x1	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 x3	5 x5 x3 x3	12x12x 8 x 8
$\frac{1}{2}$ x1 $\frac{1}{4}$ x1 x1	2 $\frac{1}{2}$ x2 x1 x1	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x2 $\frac{1}{2}$ x2 $\frac{1}{2}$	5 x5 x2 $\frac{1}{2}$ x2 $\frac{1}{2}$	.....
$\frac{1}{2}$ x1 $\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x2 x $\frac{3}{4}$ x $\frac{3}{4}$	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x2 x2	5 x5 x2 x2	.....
$\frac{1}{2}$ x1 x $\frac{3}{4}$ x $\frac{3}{4}$	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$	6 x6 x6 x6	.....
2 x2 x2 x2	3 x3 x3 x3	3 $\frac{1}{2}$ x3 x2 x2	6 x6 x5 x5	.....

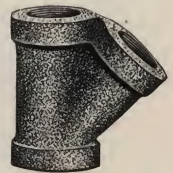
REDUCERS



4 $\frac{1}{2}$ x 4	5 x 3	6 x 4	6 x 2	8 x 4
5 x 4 $\frac{1}{2}$	5 x 2 $\frac{1}{2}$	6 x 3 $\frac{1}{2}$	7 x 6	10 x 8
5 x 4	5 x 2	6 x 3	8 x 7	10 x 6
5 x 3 $\frac{1}{2}$	6 x 5	6 x 2 $\frac{1}{2}$	8 x 6	12 x 10

Y BENDS

$\frac{1}{2}$	2	4 $\frac{1}{2}$..
$\frac{3}{4}$	2 $\frac{1}{2}$	5	10
1	3	6	12
$\frac{1}{4}$	3 $\frac{1}{2}$	7	..
$\frac{1}{2}$	4	8	..



CAPS

4	4 $\frac{1}{2}$	5	6	7	8	9	10	12
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PLUGS

$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	6	7	8	9	10	12	..



LOCKNUTS

2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	6	7	8	9	10	12
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CAST IRON AND MALLEABLE FITTINGS

LIST OF SIZES

BUSHINGS

$\frac{3}{8} \times \frac{1}{8}$	$1\frac{1}{4} \times \frac{3}{4}$	2 x1	3 x1 $\frac{1}{4}$	4 x1	$4\frac{1}{2} \times \frac{3}{2}$	6x2 $\frac{1}{2}$	7x4	8x7	12x 6
$\frac{1}{2} \times \frac{1}{4}$	$1\frac{1}{2} \times \frac{1}{4}$	2 x1 $\frac{1}{4}$	3 x1 $\frac{1}{2}$	4 x1 $\frac{1}{4}$	$4\frac{1}{2} \times \frac{1}{2}$	6x3	$7 \times 4\frac{1}{2}$	9x6	12x 8
$\frac{3}{4} \times \frac{1}{4}$	$1\frac{1}{2} \times \frac{3}{8}$	$2\frac{1}{2} \times \frac{1}{2}$	3 x2	4 x1 $\frac{1}{2}$	5 x2	$6 \times 3\frac{1}{2}$	7x5	9x7	12x10
$\frac{3}{4} \times \frac{3}{8}$	$1\frac{1}{2} \times \frac{1}{2}$	$2\frac{1}{2} \times \frac{3}{4}$	3 x2 $\frac{1}{2}$	4 x2	5 x2 $\frac{1}{2}$	6x4	7x6	9x8	.....
1 x $\frac{1}{4}$	$1\frac{1}{2} \times \frac{3}{4}$	2 $\frac{1}{2} \times 1$	3 $\frac{1}{2} \times 1$	4 x2 $\frac{1}{2}$	5 x3	$6 \times 4\frac{1}{2}$	8x2	10x4	.....
1 x $\frac{3}{8}$	$1\frac{1}{2} \times 1$	$2\frac{1}{2} \times 1\frac{1}{4}$	3 $\frac{1}{2} \times 1\frac{1}{4}$	4 x3	5 x3 $\frac{1}{2}$	6x5	$8 \times 2\frac{1}{2}$	10x5	.....
1 x $\frac{1}{2}$	2 x $\frac{1}{4}$	$2\frac{1}{2} \times 1\frac{1}{2}$	3 $\frac{1}{2} \times 1\frac{1}{2}$	4 x3 $\frac{1}{2}$	5 x4	7x2	8x3	10x6	.....
$1\frac{1}{4} \times \frac{1}{4}$	2 x $\frac{3}{8}$	3 x $\frac{1}{2}$	3 $\frac{1}{2} \times 2$	$4\frac{1}{2} \times 2$	5 x4 $\frac{1}{2}$	$7 \times 2\frac{1}{2}$	8x4	10x7	.....
$1\frac{1}{4} \times \frac{3}{8}$	2 x $\frac{1}{2}$	3 x $\frac{3}{4}$	3 $\frac{1}{2} \times 2\frac{1}{2}$	$4\frac{1}{2} \times 2\frac{1}{2}$	6 x1 $\frac{1}{2}$	7x3	8x5	10x8	.....
$1\frac{1}{4} \times \frac{1}{2}$	2 x $\frac{3}{4}$	3 x1	3 $\frac{1}{2} \times 3$	$4\frac{1}{2} \times 3$	6 x2	$7 \times 3\frac{1}{2}$	8x6	10x9	.....

Bushings reducing one size only up to 2 $\frac{1}{2}$ -inch, inclusive, not shown in above list, are made of malleable iron.

FACED BUSHINGS—MALLEABLE IRON

$\frac{3}{8} \times \frac{1}{4}$	1 x $\frac{3}{4}$	$1\frac{1}{2} \times 1\frac{1}{4}$	2 x1 $\frac{1}{4}$	$2\frac{1}{2} \times 1\frac{1}{2}$	3 x1 $\frac{1}{2}$	$4 \times 3\frac{1}{2}$	$4\frac{1}{2} \times 4$	6x5
$\frac{1}{2} \times \frac{3}{8}$	1 x $\frac{1}{2}$	$1\frac{1}{2} \times 1$	2 x1	$2\frac{1}{2} \times 1\frac{1}{4}$	$3\frac{1}{2} \times 3$	4x3	5 x4 $\frac{1}{2}$	6x4
$\frac{3}{4} \times \frac{1}{2}$	$1\frac{1}{4} \times 1$	$1\frac{1}{2} \times \frac{3}{4}$	2 x $\frac{3}{4}$	3 x2 $\frac{1}{2}$	$3\frac{1}{2} \times 2\frac{1}{2}$	$4 \times 2\frac{1}{2}$	5 x4	6x3
$\frac{3}{4} \times \frac{3}{8}$	$1\frac{1}{4} \times \frac{3}{4}$	2 x1 $\frac{1}{2}$	$2\frac{1}{2} \times 2$	3 x2	$3\frac{1}{2} \times 2$	4x2	5 x3

LONG SWEEP FITTINGS—ELBOWS

1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
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No. 2 DOUBLE BRANCH ELBOWS

1 x1 x1	2 x2 x2	2 x2x 3	$2\frac{1}{2} \times 2\frac{1}{2} \times 4$	8x 8x 8
$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$	$1\frac{1}{2} \times 1\frac{1}{2} \times 2$	$2\frac{1}{2} \times 2\frac{1}{2} \times 3$	$4\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$	9x 9x 9
1 x1 x1 $\frac{1}{4}$	$2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$	$3\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$	5 x5 x5	10x10x10
$1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	2 x2 x2 $\frac{1}{2}$	4 x4 x4	6 x6 x6	12x12x12
$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{2}$	3 x3 x3	3 x3 x4	7 x7 x7	.....

No. 3 TEES

1 x1 x1	2 x2 x2	$2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{4}$	3 x3 x1 $\frac{1}{4}$	4 x4 x4	5x5x5	9x 9x 9
$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$	2 x2 x1 $\frac{1}{2}$	$2\frac{1}{2} \times 2$ x2	3 x2 $\frac{1}{2} \times 2$	4 x4 x3	5x5x3	10x10x10
$1\frac{1}{4} \times 1\frac{1}{4} \times 1$	2 x2 x1 $\frac{1}{4}$	$2\frac{1}{2} \times 2$ x1 $\frac{1}{2}$	$3\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$	4 x4 x2 $\frac{1}{2}$	5x5x2	12x12x12
$1\frac{1}{4} \times 1$ x1	2 x1 $\frac{1}{2} \times 1\frac{1}{2}$	3 x3 x3	$3\frac{1}{2} \times 3\frac{1}{2} \times 2$	4 x4 x2	6x6x6	.....
$1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	$2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$	3 x3 x2 $\frac{1}{2}$	$3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$	4 x4 x1 $\frac{1}{2}$	6x6x2	.....
$1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{4}$	$2\frac{1}{2} \times 2\frac{1}{2} \times 2$	3 x3 x2	$3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{4}$	4 x3 x3	7x7x7	.....
$1\frac{1}{2} \times 1\frac{1}{2} \times 1$	$2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$	3 x3 x1 $\frac{1}{2}$	$3\frac{1}{2} \times 3$ x2	$4\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$	8x8x8	.....

No. 4 CROSSES

1 x1 x1 x1	$2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$	$3\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$	5x5x4x4	7x7x7x7	9x 9x 9x 9
$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$	$2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	4 x4 x4 x4	5x5x3x3	8x8x8x8	10x10x10x10
$1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	3 x3 x3 x3	4 x4 x2 $\frac{1}{2} \times 2\frac{1}{2}$	6x6x6x6	8x8x6x6	12x12x12x12
2 x2 x2 x2	3 x3 x1 $\frac{1}{2} \times 1\frac{1}{2}$	5 x5 x5 x5	6x6x4x4	8x8x4x4	.....

No. 12 STRAIGHT BACK TEES

1 x1 x1	3 x3 x3	4 x4 x2 $\frac{1}{2}$	4x4 x5	7x 7x 7	12x12x12
$1\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$	3 x3 x1 $\frac{1}{2}$	$3\frac{1}{2} \times 3$ x4	$4 \times 3\frac{1}{2} \times 5$	8x 8x 8	.....
$1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$	3 x2 $\frac{1}{2} \times 2\frac{1}{2}$	3 x3 x4	6x6 x6	8x 8x 6	.....
2 x2 x2	$2\frac{1}{2} \times 2\frac{1}{2} \times 3$	$4\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$	6x6 x4	8x 8x 4	.....
$2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$	$3\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$	5 x5 x5	5x4 x6	9x 9x 9	.....
$2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$	4 x4 x4	5 x5 x3	4x4 x6	10x10x10	.....

STANDARD CAST IRON FITTINGS

STRAIGHT



Plate 2776-H

ELBOWS

REDUCING



Plate 2777-H

45°



Plate 2778-H

STRAIGHT SIZES

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black..each	.05	.05	.06	.08	.10 1/2	.16	.20	.28	.50	.75
" Galv... "	.10	.10	.12	.16	.21	.32	.40	.56	1.00	1.50
Size.....inches	3 1/2	4	4 1/2	5	6	7	8	9	10	12
Price, Black..each	1.05	1.20	1.75	2.00	2.75	4.70	6.75	9.00	13.50	20.00
" Galv... "	2.10	2.40	3.50	4.00	5.50	9.40	13.50	18.00	27.00	40.00

REDUCING

Size.....inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Black..each	.06	.07	.09	.12	.18	.23	.32	.60	.85	1.20
" Galv... "	....	.14	.18	.24	.36	.46	.64	1.20	1.70	2.40
" Pitched "	....	....	.10	.13	.20	.25	.35	.65	1.00	1.30
Size.....inches	4	4 1/2	5	6	7	8	9	10	12	....
Price, Black..each	1.40	2.00	2.30	3.15	5.40	7.75	10.50	15.50	23.00	....
" Galv... "	2.80	4.00	4.60	6.30	10.80	15.50	21.00	31.00	46.00	....

RIGHT AND LEFT

Size .....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black..each	.06	.06	.07	.09	.12	.18	.23	.32	.60	.85

The ribs on the band of right and left elbows denote the left-hand thread.

45°

Size.....inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Black..each	.06	.07	.10	.12	.19	.24	.34	.60	.90	1.25
" Galv... "	.12	.14	.20	.24	.38	.48	.68	1.20	1.80	2.50
Size.....inches	4	4 1/2	5	6	7	8	9	10	12	....
Price, Black..each	1.45	2.20	2.50	3.45	5.90	8.50	11.25	17.00	25.00	....
" Galv... "	2.90	4.40	5.00	6.90	11.80	17.00	22.50	34.00	50.00	....

60° AND 22 1/2°

Size .....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Price, Black .....each	.25	.30	.35	.45	.50	.60	1.10	1.65	2.75

PITCHED

Size .....inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, Black .....each	.10	.13	.20	.25	.35	.65	1.00	1.30	1.50

The demand being limited for galvanized reducing cast iron fittings, we do not carry them in stock. We will have them made to order only.

STANDARD CAST IRON FITTINGS

TEE



Plate 2779-H

CROSS



Plate 2780-H

"Y" BRANCH



Plate 2781-H

TEES—Straight Sizes

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black...each	.08	.08	.09	.12	.15	.23	.29	.41	.73	1.10
" Galv.... "	.16	.16	.18	.24	.30	.46	.58	.82	1.46	2.20
Size.....inches	3 1/2	4	4 1/2	5	6	7	8	9	10	12
Price, Black...each	1.50	1.75	2.55	3.00	4.00	6.80	9.75	13.00	19.50	29.00
" Galv.... "	3.00	3.50	5.10	6.00	8.00	13.60	19.50	26.00	39.00	58.00

REDUCING TEES

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Black.....each	.10	.14	.17	.27	.33	.47	.83	1.25	1.75
" Galvanized.... "	.20	.28	.34	.54	.66	.94	1.66	2.50	3.50
Size.....inches	4	4 1/2	5	6	7	8	9	10	12
Price, Black.....each	2.00	2.95	3.50	4.60	7.80	11.25	15.00	22.50	33.50
" Galvanized.... "	4.00	5.90	7.00	9.20	15.60	22.50	30.00	45.00	67.00

CROSSES

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Black.....each	.16	.22	.27	.42	.53	.75	1.30	2.00	2.70
" Galvanized.... "	.32	.44	.54	.84	1.06	1.50	2.60	4.00	5.40
Size.....inches	4	4 1/2	5	6	7	8	9	10	12
Price, Black.....each	3.15	4.60	5.50	7.25	12.25	17.50	23.50	35.00	52.50
" Galvanized.... "	6.30	9.20	11.00	14.50	24.50	35.00	47.00	70.00	105.00

REDUCING CROSSES

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Black.....each	.18	.25	.30	.46	.60	.83	1.45	2.20	3.00
" Galvanized.... "	.36	.50	.60	.92	1.20	1.66	2.90	4.40	6.00
Size.....inches	4	4 1/2	5	6	7	8	9	10	12
Price, Black.....each	3.50	5.10	6.00	8.00	13.50	19.25	26.00	38.50	58.00
" Galvanized.... "	7.00	10.20	12.00	16.00	27.00	38.50	52.00	77.00	116.00

"Y" BRANCHES

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Black.....each	.20	.28	.34	.54	.66	.94	1.66	2.50	3.50
" Galvanized.... "	.40	.56	.68	1.08	1.32	1.88	3.32	5.00	7.00
Size.....inches	4	4 1/2	5	6	7	8	10	12	....
Price, Black.....each	4.00	5.90	7.00	9.20	15.60	22.50	45.00	67.00	....
" Galvanized.... "	8.00	11.80	14.00	18.40	31.20	45.00	90.00	134.00	....

STANDARD CAST IRON FITTINGS

RETURN BENDS

CLOSE PATTERN



Plate 2782-H

Close pattern return bends will not make up parallel coils, as the distance, center to center, of two adjacent bends is greater than the center to center of openings of a single bend.

BACK OUTLET



Plate 2783-H

CLOSE PATTERN

Size	inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Center to Center	inches	1 1/4	1 1/2	1 3/4	2 1/4	2 1/2	3 1/4	3 3/4	4 1/4	6
Price, R. H., Black	each	.18	.20	.22	.28	.40	.57	1.20	1.70	5.00
" " Galv.	"	.36	.40	.44	.56	.80	1.14	2.40	3.40	10.00
" R. & L., Black	"	.21	.23	.26	.33	.46	.66	1.40	1.95	5.25
" L. H., Black	"	.21	.23	.26	.33	.46	.66	1.40	1.95	5.25
" R. H., Pitched, Blk. "	"	...	...	.26	.33	...	...	...	...	...
" R. & L., Pitched.. "	"	...	...	.26	.33	...	...	...	...	...

BACK OUTLET

Size	inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Center to Center	inches	1 7/8	2 1/4	2 1/4	2 1/2	3 1/4	3 3/4	4 1/4
Price, Right-Hand, Black	each	.38	.42	.60	.80	1.15	2.00	3.00
" " Galvanized	"	.76	.84	1.20	1.60	2.30	4.00	6.00
" Right and Left, Black	"	.42	.48	.70	.95	1.30	2.30	3.50

OPEN PATTERN



Plate 2784-H

WIDE PATTERN



Plate 2785-H

OPEN PATTERN

Size	inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Center to Center	inches	1 7/8	2 3/8	3	3 1/2	4 1/2	5 1/2	6 1/2	7 1/2
Price, R. H., Black	each	.26	.30	.40	.55	.80	1.35	2.20	6.50
" " Galvanized	"	.52	.60	.80	1.10	1.60	2.70	4.40	10.00
" R. & L., Black	"	.30	.35	.46	.64	.92	1.55	2.50	...

WIDE PATTERN

Size	inches	1	1	1	1	1	1 1/4	1 1/4	1 1/2
Center to Center	inches	3	4	5	6	8	4	6	4 7/8
Price, Black	each	.45	.50	.60	.75	1.00	1.00	1.25	1.30
" Galvanized	"	.80	.90	1.10	1.30	1.60	1.75	2.00	2.30
Size	inches	1 1/2	1 1/2	2	2	2	2	4	...
Center to Center	inches	6	8	4 7/8	6	7	8	11	...
Price, Black	each	1.60	2.00	1.75	2.00	3.00	3.50	7.50	...
" Galvanized	"	2.60	3.25	3.00	3.25	4.50	5.00	11.00	...

Return bends not listed will be furnished at special net prices.

STANDARD CAST IRON FITTINGS

CAP



Plate 2786-H

PLUG

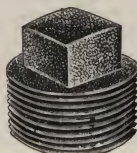


Plate 2789-H

LOCKNUT



Plate 2787-H

BUSHING



Plate 2788-H

COUNTERSUNK PLUG



Plate 2790-H

CAPS

Size.....inches	4	4½	5	6	7	8	9	10	12
Price, Black.....each	.87	1.05	1.20	1.55	2.50	2.85	4.75	5.50	7.00
" Galvanized....."	1.74	2.10	2.40	3.10	5.00	5.70	9.50	11.00	14.00

LOCKNUTS

Size.....inches	2½	3	3½	4	4½	5	6	7	8	9	10	12
Price, Black.....each	.27	.34	.47	.64	.85	.90	1.30	1.70	2.35	2.70	3.00	4.00
" Galvanized.. "	.54	.68	.94	1.28	1.70	1.80	2.60	3.40	4.70	5.40	6.00	8.00

BUSHINGS

Reducing two or more sizes, up to 2½ inches, inclusive. Reducing one or more sizes, 3 inches and up.

Size.....inches	¾	1½	¾	1	1¼	1½	2	2½	3	3½
Price, Black.....each	.04	.04	.05	.06	.07	.09	.14	.21	.30	.40
" Galvanized....."	.08	.08	.10	.12	.14	.18	.28	.42	.60	.80
Size.....inches	4	4½	5	6	7	8	9	10	12	..
Price, Black.....each	.50	.75	.93	1.25	1.87	2.75	3.25	3.75	5.00	..
" Galvanized....."	1.00	1.50	1.85	2.50	3.75	5.50	6.50	7.50	10.00	..

PLUGS

Size.....inches	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Price, Black.....each	.02	.02	.02	.02	.03	.04	.05	.07	.10	.18	.25
" Galvanized....."	.04	.04	.04	.04	.06	.08	.10	.14	.20	.36	.50
Size.....inches	3½	4	4½	5	6	7	8	9	10	12	..
Price, Black.....each	.38	.42	.65	.88	1.20	1.85	2.75	3.25	3.75	5.00	..
" Galvanized....."	.76	.84	1.30	1.75	2.40	3.70	5.50	6.50	7.50	10.00	..

SPECIAL PLUGS

Size.....inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4	4½	5	6
Countersunk.....each	...	...	.04	.06	.08	.09	.11	.15	.30	.40	.92	1.10	...	2.00	3.50
Left-Hand... "	...	...	.04	.06	.08	.09	.11	.15	...	...	...	...	...	...	...
Tapped for Air Cock "	...	...	.12	.15	.20	.25	.30	...	...	...	...	...	...	...	...
Solid..... "	.04	.04	.04	.06	.08	.09	.11	.15	.27	.38	.57	.63	1.00	1.35	1.80

STANDARD CAST IRON FITTINGS

ECCENTRIC BUSHING



Plate 2793-H

ECCENTRIC REDUCER



Plate 2792-H

REDUCER



Plate 2791-H

REDUCERS

Size.....inches	4½	5	6	7	8	9	10	12
Price, Black.....each	1.85	2.00	2.70	5.35	6.75	8.35	10.00	15.00
" Galvanized....."	3.70	4.00	5.40	10.70	13.50	16.70	20.00	30.00

ECCENTRIC REDUCERS

Size.....inches	1¼	1½	2	2½	3	3½	4	4½	5	6	8
Price, Black.....each	.55	.72	1.00	1.50	2.40	3.00	4.00	5.00	6.00	8.00	11.00

ECCENTRIC BUSHINGS

Size....inches	1¼	1½	2	2½	3	3½	4	4½	5	6	7	8	9	10	12
Price....each	.22	.25	.27	.42	.60	.80	1.00	1.50	1.85	2.50	3.75	5.50	6.50	7.50	10.00

ECCENTRIC TEES

ECCENTRIC ON RUN



Plate 2794-H

ECCENTRIC ON OUTLET



Plate 2795-H

Eccentric fittings are designed to prevent the accumulation and lodgement of condensation.

Order must be accompanied with sketch, showing position in which the fitting is to be placed.

BLOW-OFF CROSSES

The utility and convenience of this special fitting for feeding and blowing off boilers will recommend its use on all first-class steam plants.

STANDARD

For Steam Working Pressures up to 125 Pounds

Size.....inches	2½x1½	2½x2	2½x2½	3x1½	3x2	4x2
Price, Black....each	9.00	9.00	9.00	10.00	10.00	12.00
Size.....inches	4x2½	5x2½	5x3	6x2½	6x3	.....
Price, Black....each	12.00	18.00	18.00	27.00	27.00	.....



Plate 2796-H

EXTRA HEAVY

For Steam Working Pressures up to 250 Pounds

Sizes, 2½x2½ inch, 12.00; 3x2 inch 13.50; 4x2 and 4x2½-inch, 16.00 each. Other sizes made to order. Prices on application.

EXTRA HEAVY CAST IRON FITTINGS

For a Steam Working Pressure of 250 Pounds

ELBOW



Plate 2797-H

ELBOW, REDUCING



Plate 2798-H

45° ELBOW



Plate 2799-H

TEE

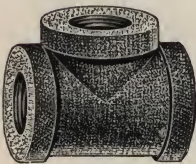


Plate 2800-H

CROSS



Plate 2801-H

FLANGE UNION

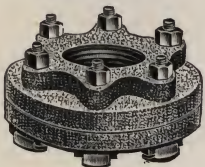


Plate 2802-H

FITTINGS

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Elbows.....each	.25	.30	.35	.45	.60	.75	1.25	2.00	2.75
“ “ Reducing. “	..	.40	.45	.55	.75	.95	1.55	2.50	....
“ “ 45°..... “	.35	.40	.44	.55	.70	.90	1.50	2.50	3.50
“ Tees..... “	.40	.45	.55	.70	.90	1.15	1.80	3.00	4.25
“ “ Reducing “	..	.60	.70	.90	1.15	1.40	2.25	3.75	5.30
“ Crosses..... “	..	..	.70	.90	1.20	1.50	2.50	4.00	5.50
“ Y Bends..... “	..	..	..	1.35	1.80	2.25	3.75	6.00	....

Size.....inches	4	4 1/2	5	6	7	8	10	12	..
Price, Elbows.....each	3.50	4.25	5.50	8.00	12.00	17.00	28.00	40.00	....
“ “ Reducing “	4.40	..	6.80	..	..	..	..	..	....
“ “ 45°..... “	4.50	5.50	6.75	9.75	14.50	21.00	34.00	48.00	....
“ Tees..... “	5.50	6.75	8.25	12.00	18.00	25.00	42.00	60.00	....
“ “ Reducing “	6.85	8.50	10.25	15.00	22.50	31.00	52.00	75.00	....
“ Crosses..... “	7.00	8.50	11.00	16.00	24.00	34.00	56.00	80.00	....
“ Y Bends..... “	11.00	....	....	....	....	....	....	....	....

Galvanized extra heavy fittings double above list.

FLANGE UNIONS—Faced, no Gaskets

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2
Diameter of Flanges.....inches	3	3 1/4	3 5/8	4 1/8	4 3/8	5 3/8
Number of Bolts in each.....	3	4	4	4	4	5
Price.....each	.60	.70	.80	1.00	1.15	1.50

Size.....inches	2 1/2	3	3 1/2	4	4 1/2	5
Diameter of Flanges.....inches	6	6 3/4	7 1/2	8	8 3/4	9 3/8
Number of Bolts in each.....	5	6	6	7	8	8
Price.....each	1.90	2.25	2.70	3.15	4.00	4.75

Size.....inches	6	7	8	9	10	12
Diameter of Flanges.....inches	10 7/8	12	13 1/4	14 3/8	15 3/4	18
Number of Bolts in each.....	9	10	10	12	12	14
Price.....each	6.00	8.25	10.50	15.00	17.25	24.00

LONG SWEEP CAST IRON FITTINGS**No. 1 ELBOW****No. 2 DOUBLE BRANCH ELBOW****No. 3 TEE****No. 4 CROSS**

Plate 2803-H



Plate 2804-H



Plate 2805-H



Plate 2806-H

No. 1 ELBOWS

Size..... inches	1	1¼	1½	2	2½	3	3½	4
Price..... each	.32	.40	.55	.80	1.20	2.25	3.25	3.50
“ Galvanized..... “	.64	.80	1.10	1.60	2.40	4.50	6.50	7.00
“ Reducing..... “	.48	.60	.83	1.20	1.80	3.38	4.88	5.25
Size..... inches	4½	5	6	7	8	9	10	12
Price..... each	5.50	6.50	8.75	13.00	17.00	25.50	30.00	40.00
“ Galvanized..... “	11.00	13.00	17.50	26.00	34.00	51.00	60.00	80.00
“ Reducing..... “	8.25	9.75	13.13	19.50	25.50	38.25	45.00	60.00

No. 2 DOUBLE BRANCH ELBOWS

No. 2 elbows take double list of No. 1.

No. 3 TEES

Size..... inches	1	1¼	1½	2	2½	3	3½	4
Price..... each	.48	.60	.82	1.20	1.80	3.40	4.90	5.25
“ Galvanized..... “	.96	1.20	1.64	2.40	3.60	6.80	9.80	10.50
“ Reducing..... “	.72	.90	1.23	1.80	2.70	5.10	7.35	7.88
Size..... inches	4½	5	6	7	8	9	10	12
Price..... each	8.25	9.75	13.25	19.50	25.50	38.00	45.00	60.00
“ Galvanized..... “	16.50	19.50	26.50	39.00	51.00	76.00	90.00	120.00
“ Reducing..... “	12.38	14.63	19.88	29.25	38.25	57.00	67.50	90.00

No. 4 CROSSES

Size..... inches	1	1¼	1½	2	2½	3	3½	4
Price..... each	.85	1.10	1.50	2.15	3.20	6.00	8.75	9.50
“ Galvanized..... “	1.70	2.20	3.00	4.30	6.40	12.00	17.50	19.00
“ Reducing..... “	....	1.65	2.25	3.23	4.80	9.00	13.13	14.25
Size..... inches	5	6	7	8	9	10	12	....
Price..... each	17.50	24.00	35.00	45.00	68.00	80.00	107.00	....
“ Galvanized..... “	35.00	48.00	70.00	90.00	136.00	160.00	214.00	....
“ Reducing..... “	26.25	36.00	52.50	67.50	102.00	120.00	160.50	....

REDUCING SIZES—LONG SWEEP FITTINGS

Nos. 1, 2 and 3 reducing will be made by bushing in the sand.

No. 4 CROSSES**No. 12 STRAIGHT BACK TEES**

2½x2½x1½x1½	5x5x3x3	2½x2½x1½	4 x4x2½	4x4 x5	4x4x6
3 x3 x1½x1½	6x6x4x4	3 x3 x1½	3½x3x4	4x3½x5	8x8x6
4 x4 x2½x2½	8x8x4x4	3 x2½x2½	3 x3x4	6x6 x4	8x8x4
5 x5 x4 x4	8x8x6x6	2½x2½x3	5 x5x3	5x4 x6	.....

FLANGE UNIONS

FACED, NO GASKETS

CAST IRON



Plate 2807-H

WEBCO

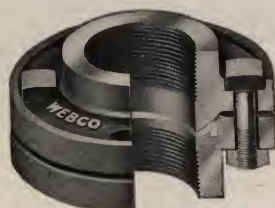


Plate 2808-H

CAST IRON

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Diameter of Flanges.....inches	3	3 5/8	3 5/8	4 1/8	4 5/8	5 1/4	6
Number of Bolts in Each.....	3	3	3	4	4	4	4
Price, Black.....each	.40	.46	.52	.64	.78	1.00	1.25
" Galvanized....."	.80	.92	1.04	1.28	1.56	2.00	2.50

Size.....inches	3	3 1/2	4	4 1/2	5	6	7
Diameter of Flanges.....inches	6 3/4	6 7/8	8	8 3/4	9 7/8	10 1/2	12
Number of Bolts in Each.....	4	4	5	5	5	6	7
Price, Black.....each	1.50	1.80	2.10	2.70	3.15	3.95	5.50
" Galvanized....."	3.00	3.60	4.20	5.40	6.30	7.90	11.00

Size.....inches	8	9	10	12	14	15	16
Diameter of Flanges.....inches	13 3/8	14 1/4	16	18 1/4	20 5/8	20 5/8	23
Number of Bolts in Each.....	8	9	10	12	14	14	16
Price, Black.....each	7.00	10.00	11.50	16.00	28.00	35.00	60.00
" Galvanized....."	14.00	20.00	23.00	32.00	56.00	70.00	.....

WEBCO

Webco Unions are made entirely of malleable iron with a bronze seat ring. No packing is required.

Light pattern are made with a removable collar, which allows bolt holes to be brought opposite one another quickly and insures adjustment in the shortest possible time. They are heavy enough to make a tight joint under ordinary pressures.

Heavy pattern are made in two parts and are designed for extreme high pressure work.

Size.....inches	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, Black.....each	.80	1.20	1.60	2.00	3.20	4.80	6.00	7.50
" Galvanized....."	1.20	1.80	2.40	3.00	4.80	7.20	9.00	11.25

Size.....inches	4 1/2	5	6	7	8	9	10	....
Price, Black.....each	8.75	10.00	12.50	15.00	18.00	21.60	28.80	....
" Galvanized....."	13.00	15.00	18.75	22.50	27.00	32.40	43.20	....

CAST IRON FITTINGS

FLANGES

COMMON



Plate 2809-H

CIRCULAR



Plate 2810-H

FLOOR



Plate 2811-H

COMMON FLANGES

Size Inches	Price Each	Size Inches	Price Each	Size Inches	Price Each	Size Inches	Price Each
$\frac{3}{4}$ x4	.22	3 x 7	.62	5x12	2.20	8x15	4.00
$\frac{3}{4}$ x5	.30	3 x 7 $\frac{1}{2}$	.75	5x12 $\frac{1}{2}$	2.20	8x16	5.00
1 x5	.30	3 x 8	.90	6x10	1.50	9x15	4.00
1 x6	.42	3 x 9	1.15	6x11	1.75	9x16	5.00
1 $\frac{1}{4}$ x4 $\frac{1}{2}$	.25	3 $\frac{1}{2}$ x 8	.90	6x12	2.20	9x17	5.75
1 $\frac{1}{4}$ x5	.30	3 $\frac{1}{2}$ x 8 $\frac{1}{2}$	1.00	6x12 $\frac{1}{2}$	2.20	10x16	5.00
1 $\frac{1}{4}$ x6	.40	3 $\frac{1}{2}$ x 9	1.15	6x13	2.80	10x17	5.75
1 $\frac{1}{2}$ x5	.30	3 $\frac{1}{2}$ x10	1.50	6x13 $\frac{1}{2}$	2.80	10x18	7.00
1 $\frac{1}{2}$ x6	.40	4 x 8	.90	6x14	3.25	10x19	7.50
2 x6	.42	4 x 8 $\frac{1}{2}$	1.00	7x12	2.20	12x18	7.00
2 x6 $\frac{1}{2}$	.50	4 x 9	1.15	7x12 $\frac{1}{2}$	2.20	12x19	7.50
2 x7	.62	4 x10	1.50	7x13	2.80	12x20	8.50
2 x8	.90	4 $\frac{1}{2}$ x 9	1.15	7x13 $\frac{1}{2}$	2.80	14x20	8.50
2 $\frac{1}{2}$ x6	.42	4 $\frac{1}{2}$ x 9 $\frac{1}{4}$	1.25	7x14	3.25	14x21	9.50
2 $\frac{1}{2}$ x6 $\frac{1}{2}$	.50	4 $\frac{1}{2}$ x10	1.50	7x15	4.00	15x21	9.50
2 $\frac{1}{2}$ x7	.62	4 $\frac{1}{2}$ x11	1.75	8x13	2.80	15x22 $\frac{1}{4}$	14.00
2 $\frac{1}{2}$ x8	.90	5 x10	1.50	8x13 $\frac{1}{2}$	2.80	16x23 $\frac{1}{2}$	18.00
3 x6 $\frac{1}{2}$	.50	5 x11	1.75	8x14	3.25	.....	.....

CIRCULAR FLANGES

Pipe Inches	Diam. Flange Inches	Pipe Inches	Diam. Flange Inches	Pipe Inches	Diam. Flange Inches	Pipe Inches	Diam. Flange Inches	Pipe Inches	Diam. Flange Inches	Pipe Inches	Diam. Flange Inches
1 $\frac{1}{2}$	6	2 $\frac{1}{2}$	8	4	9	6	12	8	14	10	18
2	7	3	9	5	11	7	13	9	17	12	20

These flanges being made to order, it is always necessary to give the circle they are to fit.

Special extra heavy flanges made to order.

Prices an application.

FLOOR FLANGES

Countersunk Holes for Screws, not Faced

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
Outside Diameter of Flanges.....inches	3	3 $\frac{1}{2}$	3 $\frac{1}{2}$	4	4	4 $\frac{1}{2}$	5 $\frac{1}{2}$
Price.....each	.10	.15	.15	.16	.16	.22	.35

BRANCH TEES

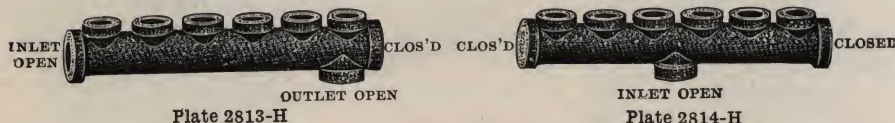
No. 1, FOR CIRCULATION



No. 2, FOR CIRCULATION

Plate 2812-H

No. 3, FOR BOX COILS



Number of Branches	1-INCH			1¼-INCH			1½-INCH			2-INCH		
	2½ Inches Center to Center			3 Inches Center to Center			3½ Inches Center to Center			4½ Inches Center to Center		
	SIZE OF RUN, INCHES											
	1 or 1¼	1½	2	1¼ or 1½	2	2½	1½ or 2	2½	3	2	2½ or 3	3½
2	.90	1.00	1.15	....	....	....	....	....	....	....	....	....
3	1.05	1.15	1.35	1.65	1.90	2.40	2.70	3.45	3.80	5.25	5.75	6.25
4	1.15	1.30	1.60	2.00	2.40	2.85	3.35	4.15	4.60	6.40	7.00	7.75
5	1.35	1.45	1.85	2.40	2.90	3.55	4.00	5.00	5.50	7.65	8.50	9.25
6	1.60	1.75	2.10	2.80	3.30	3.95	4.65	5.75	6.25	8.80	9.75	10.75
7	1.90	2.20	2.45	3.20	3.90	4.20	5.25	6.50	7.25	10.60	11.75	13.00
8	2.20	2.45	2.75	3.60	4.50	4.95	5.85	7.00	7.75	11.50	12.75	14.00
9	2.65	2.90	3.40	4.30	5.25	6.15	6.50	8.25	9.00	12.25	13.50	15.00
10	....	3.30	4.00	4.80	5.85	6.85	7.60	9.25	10.00	13.50	15.00	16.50
11	....	4.50	4.80	5.00	6.25	7.25	8.00	9.75	10.75	....	....	....
12	....	4.75	5.10	5.25	6.50	7.65	8.50	10.50	11.50	....	....	....
13	....	5.50	6.00	6.00	7.00	8.25	....	....	....	....	....	....
14	....	7.00	7.25	6.75	7.75	9.00	....	....	....	....	....	....
15	....	7.50	7.75	7.50	8.50	9.75	....	....	....	....	....	....
16	....	8.00	8.25	8.50	9.50	10.75	....	....	....	....	....	....

All openings in branch tees for circulation are tapped right-hand.

Branch tees for box coils are always tapped left-hand in branches and right-hand in back inlet.

The run and back opening of branch tees are tapped the same size as branches, unless otherwise ordered.

1-inch branch tees, 1-inch or 1¼-inch run, are 1¼ inches inside diameter.

1-inch branch tees, 1½-inch or 2-inch run, are 2¼ inches inside diameter.

1¼-inch branch tees are all 2½ inches inside diameter.

1½-inch branch tees are all 2¾ inches inside diameter.

2-inch branch tees are all 3½ inches inside diameter.

Always order branch tees by size and number.

HOOK PLATES, BEAM HOOKS AND COIL STANDS



Plate 2815-H



Plate 2816-H

HOOK PLATES

Number of Hooks.....	1	2	3	4	5	6
For 1 in. pipe, 2½ ins. between centers...each	.09	.18	.23	.26	.32	.38
" 1¼ in. pipe, 3 " " " " " " " " " " " "	.10	.21	.27	.32	.41	.52
" 1½ " " 3½ " " " " " " " " " "	.15	.28	.43	.58	.72	.88
" 2 " " 4½ " " " " " " " " " "	.22	.43	.65	.90	1.15	1.35



Plate 2817-H

EXPANSION HOOK PLATES

Number of Hooks.....	1	2	3	4	5	6
For 1 in. pipe, 2½ ins. between centers...each	.15	.25	.35	.50	.60	.70
" 1¼ in. pipe, 3 " " " " " " " " " " " "	.17	.27	.40	.60	.70	.80
" 1½ " " 3½ " " " " " " " " " "	.25	.40	.60	.75	.90	1.00
" 2 " " 4½ " " " " " " " " " "	....	.60	.85	1.00	1.35	1.55

When Hook Plates are ordered, specifying a greater number of hooks than listed above, we will send two; for instance, an order calling for two 2 x 8 hook plates, we will send four 2 x 4.



Plate 2818-H

BEAM HOOKS, LONG SHANK

Size.....inches	½	¾	1	1¼	1½	2	2½	3
Price.....each	.13	.15	.18	.22	.24	.35	.65	.90

LAUNDRY COIL STANDS

For 1 Inch Pipe

WITH MOVABLE HOOK PLATES

Price, for Four pipes high.....each	2.00
" " Six " " " " " " " " " " " "	2.75
" " Eight " " " " " " " " " " " "	3.50
" " Ten " " " " " " " " " " " "	4.25
Extra hooks, complete for 1 inch.....net,	.06
" " " " 1¼ inch....." " " "	.08
" " " " 1½ " " " " " "	.10
" " " " 2 " " " " " "	.15



Plate 2819-H

PIPE HANGERS, ETC.

PIPE HANGERS

PERFORATED EXTENSION BAR

EXPANSION RING

UNIVERSAL



Plate 2820-H

Plate 2821-H

Plate 2822-H

EXPANSION RING PIPE HANGERS

Size..... inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Price, Black ... each	.17	.17	.18	.19	.25	.29	.36	.44	.55	.63	.90	1.12	1.35	1.80	2.25
" Galvanized "	.34	.34	.36	.38	.50	.58	.72	.88	1.10	1.26	1.80	2.24	2.70	3.60	4.50

UNIVERSAL PIPE HANGERS

Size..... inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price..... each	.23	.23	.25	.27	.31	.33	.35	.43	.47	.51
Size..... inches	4 1/2	5	6	7	8	9	10	11	12	....
Price..... each	.54	.57	.63	1.00	1.30	1.65	2.00	2.30	2.60	....

PERFORATED EXTENSION BARS

Number.....	1	2	3	4	5
For Hangers..... inches	1/2 to 1 1/2	2 to 3	3 1/2 to 6	7 to 8	9 to 12
Price..... per foot	.08	.09	.10	.20	.28

ADJUSTABLE MALLEABLE IRON BEAM CLAMPS, WITH BRACKET

FOR PIPE AND LOCKNUT

WITH LUGS AND BOLT



Plate 2823-H

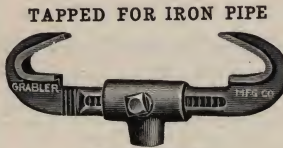


Plate 2824-H



Plate 2825-H

Price, for Pipe and Locknut	each	.40
" Tapped 1/4 inch, for Use on Pipe up to 3 1/2 inches	"	.40
" " 3/8 " " " " " 4 " 8 "	"	.50
" with Lugs and Bolt	"	.50

These clamps have a range of adjustment for I-beams from 2 to 7 inches.

PIPE HANGERS, ETC.

PIPE HANGERS

EXTENSION



Plate 2826-H

SOLID RING



Plate 2827-H

EXTENSION, WITH $\frac{1}{4}$ X 4-INCH NIPPLE

Size..... inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Plain Iron.....each	.22	.22	.27	.32	.35	.40	.50
“ Galvanized Iron..... “	.25	.25	.30	.35	.40	.50	.60
“ Plain Iron, without Nipples.. “	.17	.17	.22	.27	.30	.35	.45
“ Galv. “ “ “ .. “	.20	.20	.25	.30	.35	.45	.55

Always furnished complete unless otherwise specified.

SOLID RING

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Plain Iron.....per 100	5.00	5.00	5.80	7.75	10.00	14.00	22.00
“ Galvanized Iron..... “	6.50	6.50	7.00	9.00	12.00	16.00	25.00

GAS PIPE HOOKS

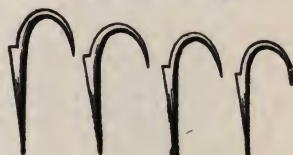


Plate 2828-H

TINNED STRAPS



Plate 2829-H

GAS PIPE HOOKS AND TINNED STRAPS

Size.....inches	¼	⅜	½	¾	1	1¼	1½	2
Price, Gas Pipe Hooks...per 100	.45	.55	.65	.95	1.20	1.50	1.90	2.50
“ Tinned Straps...per pound	.30	.30	.30	.30	.30	.30	.30	.30

FLOOR AND CEILING PLATES

CAST IRON FLOOR AND CEILING PLATES

FLOOR PLATE WITH GROOVE



Plate 2830-H

CEILING PLATE



Plate 2831-H

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
Price, Floor Plates...each	.06	.06	.08	.11	.14	.16	.24	.30	.35	.42	.60	.75	1.75
" Ceiling " ... "	.11	.13	.16	.18	.23	.27	.36	.50	.55	.68	.95	1.25	....

B AND C FLOOR AND CEILING PLATES

No. 3

COMBINATION
FLOOR AND CEILING
PLATE

Plate 2833-H

No. 2

FLOOR PLATE



Plate 2832-H

No. 6

FLOOR PLATE



Plate 2834-H

No. 7

FLOOR OR CEILING PLATE
WITH SPRINGS

Plate 2835-H

NOS. 2, 3, 6 AND 7

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Black.....each		.14	.15	.16	.17	.20	.22	.25	.30	.50	.65
" Nickel-plated	"	.25	.26	.27	.28	.32	.35	.38	.45	.65	.80
Size	inches	3 1/2	4	4 1/2	5	6	7	8	9	10	....
Price, Black.....each		.80	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	....
" Nickel-plated	"	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	....

VOSSBURG ADJUSTABLE CAST IRON FLOOR THIMBLES

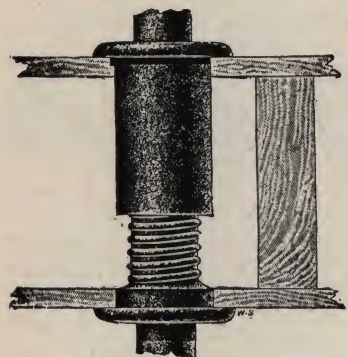


Plate 2836-H

Size	inches	3/4	1	1 1/4	1 1/2	2	2 1/2
No. 1, Black.....each		.50	.60	.80	1.00	1.20	1.40
" 1, Nickel-plated "		1.20	1.30	1.50	1.70	1.90	2.20
" 2, Black..... "		.60	.70	.90	1.10	1.30	1.55
" 2, Nickel-plated "		1.30	1.40	1.60	1.80	2.00	2.35
Size	inches	3	3 1/2	4	4 1/2	5	6
No. 1, Black.....each		1.65	2.00	2.75	4.25	4.75	6.00
" 1, Nickel-plated "		2.75	3.20	4.15	5.75	6.35	7.80
" 2, Black..... "		1.80	2.15	3.00	4.50	5.00	6.50
" 2, Nickel-plated "		2.90	3.35	4.40	6.00	6.60	8.30

No. 1, minimum length, 9 inches; maximum length, 16 inches.

No. 2, minimum length, 15 inches; maximum length, 22 inches.

No. 1 will always be shipped, unless otherwise ordered.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

STANDARD

Plate 2837-H

ELBOWS

45°



Plate 2838-H

STANDARD

45°

Effective April 1, 1914

Size Inches	Center to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	Center to Face Inches	Diameter of Flanges Inches	PRICE, EACH	
			With Faced Flanges	With Faced and Drilled Flanges				With Faced Flanges	With Faced and Drilled Flanges
1¼	3¾	4½	3.00	3.60	1¼	2	4½	3.30	3.90
1½	4	5	3.00	3.60	1½	2¼	5	3.30	3.90
2	4½	6	3.00	3.60	2	2½	6	3.30	3.90
2½	5	7	3.15	3.75	2½	3	7	3.50	4.10
3	5½	7½	3.45	4.15	3	3	7½	3.80	4.50
3½	6	8½	4.05	4.90	3½	3½	8½	4.50	5.35
4	6½	9	4.50	5.50	4	4	9	5.00	6.00
4½	7	9¼	5.50	6.50	4½	4	9¼	6.00	7.00
5	7½	10	6.25	7.25	5	4½	10	6.90	7.90
6	8	11	7.60	8.90	6	5	11	8.35	9.65
7	8½	12½	10.50	12.00	7	5½	12½	11.00	12.50
8	9	13½	12.00	13.60	8	5½	13½	12.60	14.20
9	10	15	17.00	19.25	9	6	15	17.75	20.00
10	11	16	19.00	21.70	10	6½	16	20.00	22.70
12	12	19	28.00	31.00	12	7½	19	29.50	32.50
14	14	21	41.50	45.25	14	7½	21	41.50	45.25
15	14½	22¼	47.00	51.50	15	8	22¼	47.00	51.50
16	15	23½	54.50	59.50	16	8	23½	54.50	59.50
18	16½	25	71.00	77.00	18	8½	25	71.00	77.00
20	18	27½	90.00	97.00	20	9½	27½	90.00	97.00
22	20	29½	113.00	122.00	22	10	29½	113.00	122.00
24	22	32	140.00	150.00	24	11	32	140.00	150.00

Furnished FACED AND DRILLED, unless otherwise ordered.

Larger sizes made to order. Prices on application.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

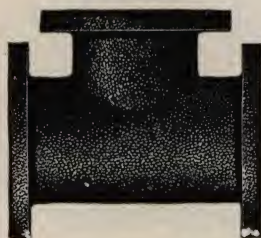
TEES**STANDARD**

Plate 2839-H

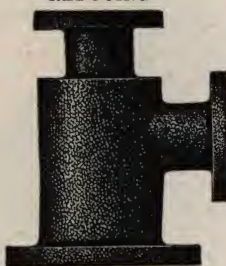
REDUCING

Plate 2840-H

STANDARD**REDUCING**

Reducing in Run or Branch

Effective April 1, 1914

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
1¼	3¾	7½	4½	4.35	5.25	....	....	....
1½	4	8	5	4.35	5.25	1½	5.00	5.90
2	4½	9	6	4.35	5.25	2	5.00	5.90
2½	5	10	7	4.55	5.45	2½	5.25	6.15
3	5½	11	7½	5.00	6.10	3	5.75	6.85
3½	6	12	8½	5.85	7.10	3½	6.75	8.00
4	6½	13	9	6.50	8.00	4	7.50	9.00
4½	7	14	9¼	8.00	9.50	4½	9.25	10.75
5	7½	15	10	9.10	10.60	5	10.50	12.00
6	8	16	11	11.00	12.95	6	12.65	14.60
7	8½	17	12½	15.25	17.50	7	17.50	19.75
8	9	18	13½	17.40	19.80	8	20.00	22.40
9	10	20	15	24.65	28.00	9	28.50	31.85
10	11	22	16	27.50	31.50	10	31.50	35.50
12	12	24	19	40.50	45.00	12	46.50	51.00
14	14	28	21	60.00	65.50	14	69.00	74.50
15	14½	29	22¼	68.00	74.75	15	78.00	84.75
16	15	30	23½	79.00	86.50	16	91.00	98.50
18	16½	33	25	103.00	112.00	18	118.00	127.00
20	18	36	27½	130.00	140.00	20	150.00	160.00
22	20	40	29½	164.00	177.00	22	189.00	202.00
24	22	44	32	203.00	218.00	24	233.00	248.00

Furnished faced and drilled, unless otherwise ordered.

Larger sizes made to order. Prices on application.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

SINGLE SWEEP TEES

STANDARD

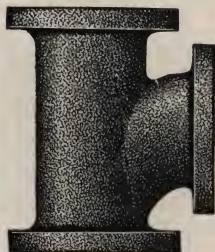


Plate 2841-H

REDUCING

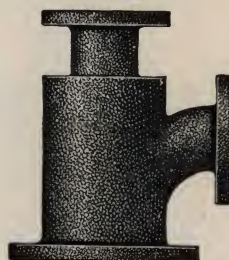


Plate 2842-H

STANDARD

REDUCING

Reducing in Run or Branch

Effective April 1, 1914

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
2	4½	9	6	5.00	5.90	2	5.75	6.65
2½	5	10	7	5.25	6.15	2½	6.00	6.90
3	5½	11	7½	5.75	6.85	3	6.60	7.70
3½	6	12	8½	6.75	8.00	3½	7.75	9.00
4	6½	13	9	7.50	9.00	4	8.65	10.15
4½	7	14	9¼	9.25	10.75	4½	10.60	12.10
5	7½	15	10	10.50	12.00	5	12.00	13.50
6	8	16	11	12.65	14.60	6	14.50	16.45
7	8½	17	12½	17.50	19.75	7	20.00	22.25
8	9	18	13½	20.00	22.40	8	23.00	25.40
9	10	20	15	28.50	31.85	9	32.75	36.10
10	11	22	16	31.50	35.50	10	36.00	40.00
12	12	24	19	46.50	51.00	12	53.50	58.00
14	14	28	21	69.00	74.50	14	79.00	84.50
15	14½	29	22¼	78.00	84.75	15	90.00	96.75
16	15	30	23½	91.00	98.50	16	105.00	112.50
18	16½	33	25	118.00	127.00	18	135.00	144.00
20	18	36	27½	150.00	160.00	20	173.00	183.00
22	20	40	29½	189.00	202.00	22	217.00	230.00
24	22	44	32	233.00	248.00	24	268.00	283.00

Furnished faced and drilled, unless otherwise ordered.

Larger sizes made to order. Prices on application.

Reducing single sweep tees made to order only.

Single sweep tees with the side opening larger than the run not made.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

DOUBLE SWEEP TEES



Plate 2843-H

STANDARD

REDUCING

Effective April 1, 1914

Reducing in Branch only

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
2	4½	9	6	5.00	5.90	2	5.75	6.65
2½	5	10	7	5.25	6.15	2½	6.00	6.90
3	5½	11	7½	5.75	6.85	3	6.60	7.70
3½	6	12	8½	6.75	8.00	3½	7.75	9.00
4	6½	13	9	7.50	9.00	4	8.65	10.15
4½	7	14	9¼	9.25	10.75	4½	10.60	12.10
5	7½	15	10	10.50	12.00	5	12.00	13.50
6	8	16	11	12.65	14.60	6	14.50	16.45
7	8½	17	12½	17.50	19.75	7	20.00	22.25
8	9	18	13½	20.00	22.40	8	23.00	25.40
9	10	20	15	28.50	31.85	9	32.75	36.10
10	11	22	16	31.50	35.50	10	36.00	40.00
12	12	24	19	46.50	51.00	12	53.50	58.00
14	14	28	21	69.00	74.50	14	79.00	84.50
15	14½	29	22¼	78.00	84.75	15	90.00	96.75
16	15	30	23½	91.00	98.50	16	105.00	112.50
18	16½	33	25	118.00	127.00	18	135.00	144.00
20	18	36	27½	150.00	160.00	20	173.00	183.00
22	20	40	29½	189.00	202.00	22	217.00	230.00
24	22	44	32	233.00	248.00	24	268.00	283.00

Furnished faced and drilled, unless otherwise ordered.

Double sweep tees are not made reducing on the run. Should such tees, however, be wanted, we will alter patterns (which will be expensive) and charge at a special price. We can only increase branch (outlet) within a reasonable limit, which must be regulated by our patterns.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

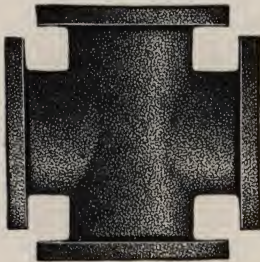
STANDARD

Plate 2844-H

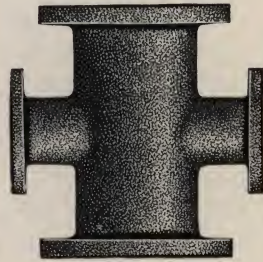
CROSSES**REDUCING**

Plate 2845-H

STANDARD**REDUCING**

Effective April 1, 1914

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
1¼	3¾	7½	4½	6.75	7.95	....	....	.....
1½	4	8	5	6.75	7.95	....	....	.....
2	4½	9	6	6.75	7.95	2	7.75	8.95
2½	5	10	7	6.95	8.15	2½	8.00	9.20
3	5½	11	7½	7.65	9.05	3	8.75	10.15
3½	6	12	8½	9.00	10.70	3½	10.35	12.05
4	6½	13	9	10.00	12.00	4	11.50	13.50
4½	7	14	9¼	12.00	14.00	4½	13.75	15.75
5	7½	15	10	13.75	15.75	5	15.75	17.75
6	8	16	11	16.75	19.25	6	19.25	21.75
7	8½	17	12½	23.00	26.00	7	26.50	29.50
8	9	18	13½	26.50	29.75	8	30.50	33.75
9	10	20	15	37.50	42.00	9	43.00	47.50
10	11	22	16	42.00	47.50	10	48.00	53.50
12	12	24	19	61.50	67.50	12	71.00	77.00
14	14	28	21	91.00	98.50	14	105.00	112.50
15	14½	29	22¼	103.00	112.00	15	118.00	127.00
16	15	30	23½	120.00	130.00	16	138.00	148.00
18	16½	33	25	157.00	169.00	18	180.00	192.00
20	18	36	27½	198.00	212.00	20	228.00	242.00
22	20	40	29½	248.00	266.00	22	285.00	303.00
24	22	44	32	310.00	330.00	24	355.00	375.00

Furnished faced and drilled, unless otherwise ordered.
 Larger sizes made to order. Prices on application.
 Reducing crosses made to order only.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

LATERALS

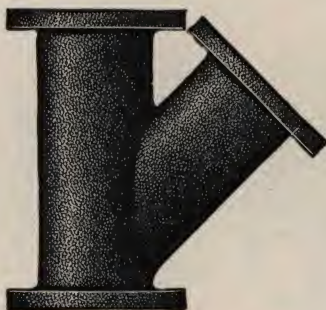


Plate 2846-H

STANDARD

REDUCING

Reducing in Run or Branch

Effective April 1, 1914

Size Inches	Diameter of Flanges Inches	Center to Face of Run or Outlet Inches	Face to Face of Run Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
1¼	4½	6¼	8	6.75	7.95	....	.....	.....
1½	5	7	9	6.75	7.95	....	.....	.....
2	6	8	10½	6.75	7.95	2	7.75	8.95
2½	7	9½	12	6.95	8.15	2½	8.00	9.20
3	7½	10	13	7.65	9.05	3	8.75	10.15
3½	8½	11½	14½	9.00	10.70	3½	10.35	12.05
4	9	12	15	10.00	12.00	4	11.50	13.50
4½	9¼	12½	15½	12.00	14.00	4½	13.75	15.75
5	10	13½	17	13.75	15.75	5	15.75	17.75
6	11	14½	18	16.75	19.25	6	19.25	21.75
7	12½	16½	20½	23.00	26.00	7	26.50	29.50
8	13½	17½	22	26.50	29.75	8	30.50	33.75
9	15	19½	24	37.50	42.00	9	43.00	47.50
10	16	20½	25½	42.00	47.50	10	48.00	53.50
12	19	24½	30	61.50	67.50	12	71.00	77.00
14	21	27	33	91.00	98.50	14	105.00	112.50
15	22¼	28½	34½	103.00	112.00	15	118.00	127.00
16	23½	30	36½	120.00	130.00	16	138.00	148.00
18	25	32	39	157.00	169.00	18	180.00	192.00
20	27½	35	43	198.00	212.00	20	228.00	242.00
22	29½	37½	46	248.00	266.00	22	285.00	303.00
24	32	40½	49½	310.00	330.00	24	355.00	375.00

Flanged fittings will always be furnished FACED AND DRILLED unless otherwise ordered.

Larger sizes made to order. Prices on application.

STANDARD FLANGED FITTINGS

For 125 Pounds Steam Working Pressure

LONG RADIUS ELBOW



Plate 2847-H

BASE ELBOW
ROUND FLANGE



Plate 2848-H

LONG RADIUS ELBOWS

BASE ELBOWS

Effective April 1, 1914

Size Inches	Center to Face Inches	Radius Inches	Diam. of Flanges Inches	PRICE, EACH		Size Inches	Center to Face Inches	Center to Face of Round or Square Base Inches	Diam. of *Base Flanges Inches	PRICE, EACH		Facing and Drill- ing Base Flange
				With Faced Flanges	With Faced and Drilled Flanges					Faced Except Base Flange	Faced and Drilled Except Base Flange	
4	9	7 $\frac{3}{8}$	9	7.50	9.00	4	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6	9.00	10.00	3.00
4 $\frac{1}{2}$	9 $\frac{1}{2}$	7 $\frac{3}{4}$	9 $\frac{1}{4}$	9.25	10.75	4 $\frac{1}{2}$	7	6 $\frac{3}{4}$	6	11.00	12.00	3.00
5	10 $\frac{1}{4}$	8 $\frac{1}{2}$	10	10.50	12.00	5	7 $\frac{1}{2}$	7	7	12.50	13.50	3.50
6	11 $\frac{1}{2}$	9 $\frac{5}{8}$	11	12.65	14.60	6	8	7 $\frac{1}{2}$	7	15.25	16.55	3.50
7	12 $\frac{3}{4}$	10 $\frac{7}{8}$	12 $\frac{1}{2}$	17.50	19.75	7	8 $\frac{1}{2}$	8 $\frac{1}{4}$	7	21.00	22.50	3.50
8	14	12	13 $\frac{1}{2}$	20.00	22.40	8	9	8 $\frac{3}{4}$	9	24.00	25.60	5.00
9	15 $\frac{1}{4}$	13	15	28.50	31.85	9	10	9 $\frac{1}{2}$	9	34.00	36.25	5.00
10	16 $\frac{1}{2}$	14 $\frac{1}{8}$	16	31.50	35.50	10	11	10	9	38.00	40.70	5.00
12	19	16 $\frac{1}{2}$	19	46.50	51.00	12	12	10 $\frac{1}{2}$	11	56.00	59.00	7.50
14	21 $\frac{1}{2}$	18 $\frac{1}{8}$	21	69.00	74.50	14	14	13 $\frac{1}{2}$	11	70.00	73.75	7.50
15	22 $\frac{3}{4}$	20	22 $\frac{1}{4}$	78.00	84.75	15	14 $\frac{1}{2}$	14	11	80.00	84.50	7.50
16	24	21 $\frac{1}{4}$	23 $\frac{1}{2}$	91.00	98.50	16	15	14 $\frac{3}{4}$	11	90.00	95.00	7.50

*The measurement across the flat edge of square base flange is the same as the diameter of the round base flange.

Long radius elbows of different dimensions from above, made to order at a special price. Prices given on flanged base elbows do not include facing or drilling of base flanges.

BASE TEES

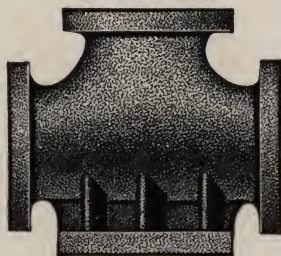


Plate 2849-H

Base tees made to order. Prices on application.

STANDARD CAST IRON FLANGES

For Steam Working Pressures up to 125 Pounds

THREADED
FACED, AND FACED AND DRILLED

BACK VIEW, SHOWING HUB



Plate 2850-H

SMOOTH FACE



Plate 2851-H

BLIND OR SOLID
FACED, AND FACED AND DRILLED



Plate 2852-H

THREADED

BLIND OR SOLID

Size Inches	PRICE, EACH		Outside Size Inches	PRICE, EACH	
	Faced	Faced and Drilled		Faced	Faced and Drilled
1 x 4	.55	.80	4	....	....
1¼ x 4½	.60	.85	4½	....	....
1½ x 5	.65	.90	5	....	....
2 x 6	.75	1.00	6	1.15	1.40
2½ x 7	.85	1.10	7	1.30	1.55
3 x 7½	.95	1.25	7½	1.40	1.70
3½ x 8½	1.20	1.55	8½	1.80	2.15
4 x 9	1.35	1.80	9	2.00	2.45
4½ x 9¼	1.45	1.90	9¼	2.20	2.65
5 x 10	1.60	2.05	10	2.40	2.85
6 x 11	2.00	2.50	11	3.00	3.50
7 x 12½	2.65	3.25	12½	4.00	4.60
8 x 13½	3.10	3.80	13½	4.60	5.30
9 x 15	3.85	4.65	15	5.75	6.55
10 x 16	4.50	5.50	16	6.75	7.75
12 x 19	6.50	7.65	19	9.75	10.90
14 x 21	9.00	10.35	21	13.50	14.85
15 x 22¼	11.50	13.20	22¼	17.00	18.70
16 x 23½	13.50	15.30	23½	20.00	21.80
18 x 25	16.00	18.00	25	24.00	26.00
20 x 27½	19.00	21.50	27½	28.00	30.50
22 x 29½	22.00	25.00	29½	33.00	36.00
24 x 32	27.00	30.50	32	40.00	43.50

Furnished faced and drilled, unless otherwise ordered.

STANDARD REDUCING COMPANION FLANGES WITH RIBS

FOR STANDARD FLANGED VALVES AND FITTINGS

For 125 Pounds Steam Working Pressure

These flanges, used in connection with straight or reducing fittings, enable us to fill orders for reduced sizes more promptly. Customers who desire fittings reduced in this manner will please specify "Reduce by Flanges if Necessary."

They will always be the same thickness as the regular companion flanges of corresponding outside diameter, and drilled to the template corresponding to the outside diameter, unless otherwise ordered.

In ordering reducing companion flanges, always give screwed or reduced size first, then the outside diameter of flange wanted; for instance, if a reducing flange is wanted to connect a 6-inch pipe to a 9-inch flanged valve or fitting having a 15-inch O. D. flange, order a 6x15-inch reducing flange. This will clearly avoid confusion often caused by orders incorrectly calling for a 9x6 or 6x9-inch flange.

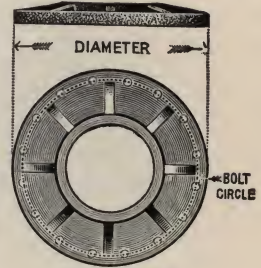


Plate 2853-H

Effective April 1, 1914

Size Inches	PRICE, EACH		Size Inches	PRICE, EACH		Size Inches	PRICE, EACH	
	Faced	Faced and Drilled		Faced	Faced and Drilled		Faced	Faced and Drilled
1½ x 7	1.45	1.70	4 x 12½	4.40	5.00	9 x 21	15.00	16.35
2 x 7	1.45	1.70	4½ x 12½	4.40	5.00	10 x 21	15.00	16.35
1½ x 7½	1.55	1.85	5 x 12½	4.40	5.00	12 x 21	15.00	16.35
2 x 7½	1.55	1.85	6 x 12½	4.40	5.00	8 x 22¼	19.00	20.70
2½ x 7½	1.55	1.85	2 x 13½	5.10	5.80	10 x 22¼	19.00	20.70
2 x 8½	2.00	2.35	2½ x 13½	5.10	5.80	12 x 22¼	19.00	20.70
2½ x 8½	2.00	2.35	3 x 13½	5.10	5.80	14 x 22¼	19.00	20.70
3 x 8½	2.00	2.35	4 x 13½	5.10	5.80	15 x 23½	22.00	23.80
2 x 9	2.20	2.65	5 x 13½	5.10	5.80	12 x 23½	22.00	23.80
2½ x 9	2.20	2.65	6 x 13½	5.10	5.80	14 x 23½	22.00	23.80
3 x 9	2.20	2.65	7 x 13½	5.10	5.80	15 x 23½	22.00	23.80
3½ x 9	2.20	2.65	6 x 15	6.35	7.15	12 x 25	26.50	28.50
2½ x 9¼	2.40	2.85	7 x 15	6.35	7.15	14 x 25	26.50	28.50
3 x 9¼	2.40	2.85	8 x 15	6.35	7.15	15 x 25	26.50	28.50
3½ x 9¼	2.40	2.85	2½ x 16	7.45	8.45	16 x 25	26.50	28.50
4 x 9¼	2.40	2.85	3 x 16	7.45	8.45	14 x 27½	31.00	33.50
2 x 10	2.65	3.10	3½ x 16	7.45	8.45	15 x 27½	31.00	33.50
2½ x 10	2.65	3.10	4 x 16	7.45	8.45	16 x 27½	31.00	33.50
3 x 10	2.65	3.10	5 x 16	7.45	8.45	18 x 27½	31.00	33.50
3½ x 10	2.65	3.10	6 x 16	7.45	8.45	15 x 29½	36.00	39.00
4 x 10	2.65	3.10	7 x 16	7.45	8.45	16 x 29½	36.00	39.00
4½ x 10	2.65	3.10	8 x 16	7.45	8.45	18 x 29½	36.00	39.00
2 x 11	3.30	3.80	9 x 16	7.45	8.45	20 x 29½	36.00	39.00
2½ x 11	3.30	3.80	6 x 19	10.75	11.90	14 x 32	44.00	47.50
3 x 11	3.30	3.80	7 x 19	10.75	11.90	16 x 32	44.00	47.50
3½ x 11	3.30	3.80	8 x 19	10.75	11.90	18 x 32	44.00	47.50
4 x 11	3.30	3.80	9 x 19	10.75	11.90	20 x 32	44.00	47.50
4½ x 11	3.30	3.80	10 x 19	10.75	11.90	.....	.....	.....
5 x 11	3.30	3.80	8 x 21	15.00	16.35	.....	.....	.....

Furnished smooth faced and drilled, unless otherwise specified.

TEMPLATES FOR DRILLING STANDARD AND LOW PRESSURE FLANGED VALVES AND FITTINGS

AMERICAN STANDARD, SIZES 1-INCH TO 48-INCH, INCLUSIVE

Effective January 1, 1914

Size Inches	Diameter of Flanges Inches	Thickness of Flanges Inches	Bolt Circle Inches	Number of Bolts	Size of Bolts Inches	Bolt Lengths Inches
$\frac{3}{4}$	$3\frac{1}{2}$	$\frac{7}{16}$	$2\frac{1}{2}$	4	$\frac{3}{8}$	$1\frac{1}{2}$
1	4	$\frac{7}{16}$	3	4	$\frac{7}{16}$	$1\frac{1}{2}$
$1\frac{1}{4}$	$4\frac{1}{2}$	$\frac{1}{2}$	$3\frac{3}{8}$	4	$\frac{7}{16}$	$1\frac{1}{2}$
$1\frac{1}{2}$	5	$\frac{9}{16}$	$3\frac{7}{8}$	4	$\frac{1}{2}$	$1\frac{3}{4}$
2	6	$\frac{5}{8}$	$4\frac{3}{4}$	4	$\frac{5}{8}$	2
$2\frac{1}{2}$	7	$\frac{11}{16}$	$5\frac{1}{2}$	4	$\frac{5}{8}$	$2\frac{1}{4}$
3	$7\frac{1}{2}$	$\frac{3}{4}$	6	4	$\frac{5}{8}$	$2\frac{1}{2}$
$3\frac{1}{2}$	$8\frac{1}{2}$	$\frac{13}{16}$	7	4	$\frac{5}{8}$	$2\frac{1}{2}$
4	9	$\frac{15}{16}$	$7\frac{1}{2}$	8	$\frac{5}{8}$	$2\frac{3}{4}$
$4\frac{1}{2}$	$9\frac{1}{4}$	$\frac{15}{16}$	$7\frac{3}{4}$	8	$\frac{3}{4}$	3
5	10	$\frac{15}{16}$	$8\frac{1}{2}$	8	$\frac{3}{4}$	3
6	11	1	$9\frac{1}{2}$	8	$\frac{3}{4}$	3
7	$12\frac{1}{2}$	$\frac{11}{16}$	$10\frac{3}{4}$	8	$\frac{3}{4}$	3
8	$13\frac{1}{2}$	$\frac{11}{8}$	$11\frac{3}{4}$	8	$\frac{3}{4}$	$3\frac{1}{4}$
9	15	$\frac{11}{8}$	$13\frac{1}{4}$	12	$\frac{3}{4}$	$3\frac{1}{4}$
10	16	$\frac{13}{16}$	$14\frac{1}{4}$	12	$\frac{7}{8}$	$3\frac{1}{2}$
12	19	$\frac{11}{4}$	17	12	$\frac{7}{8}$	$3\frac{3}{4}$
14	21	$\frac{13}{8}$	$18\frac{3}{4}$	12	1	$4\frac{1}{4}$
15	$22\frac{1}{4}$	$\frac{13}{8}$	20	16	1	$4\frac{1}{4}$
16	$23\frac{1}{2}$	$\frac{17}{16}$	$21\frac{1}{4}$	16	1	$4\frac{1}{4}$
18	25	$\frac{19}{16}$	$22\frac{3}{4}$	16	$\frac{11}{8}$	$4\frac{3}{4}$
20	$27\frac{1}{2}$	$\frac{11}{8}$	25	20	$\frac{11}{8}$	5
22	$29\frac{1}{2}$	$\frac{13}{8}$	$27\frac{1}{4}$	20	$\frac{11}{4}$	$5\frac{1}{2}$
24	32	$\frac{17}{8}$	$29\frac{1}{2}$	20	$\frac{11}{4}$	$5\frac{1}{2}$
26	$34\frac{1}{4}$	2	$31\frac{3}{4}$	24	$\frac{11}{4}$	$5\frac{3}{4}$
28	$36\frac{1}{2}$	$\frac{21}{16}$	34	28	$\frac{11}{4}$	6
30	$38\frac{3}{4}$	$\frac{21}{8}$	36	28	$\frac{13}{8}$	$6\frac{1}{4}$
32	$41\frac{3}{4}$	$\frac{21}{4}$	$38\frac{1}{2}$	28	$\frac{11}{2}$	$6\frac{1}{2}$
34	$43\frac{3}{4}$	$\frac{25}{16}$	$40\frac{1}{2}$	32	$\frac{11}{2}$	$6\frac{1}{2}$
36	46	$\frac{23}{8}$	$42\frac{3}{4}$	32	$\frac{11}{2}$	7
38	$48\frac{3}{4}$	$\frac{23}{8}$	$45\frac{1}{4}$	32	$\frac{15}{8}$	7
40	$50\frac{3}{4}$	$\frac{21}{2}$	$47\frac{1}{4}$	36	$\frac{15}{8}$	7
42	53	$\frac{25}{8}$	$49\frac{1}{2}$	36	$\frac{15}{8}$	$7\frac{1}{2}$
44	$55\frac{1}{4}$	$\frac{25}{8}$	$51\frac{3}{4}$	40	$\frac{15}{8}$	$7\frac{1}{2}$
46	$57\frac{1}{4}$	$\frac{21}{16}$	$53\frac{3}{4}$	40	$\frac{15}{8}$	$7\frac{1}{2}$
48	$59\frac{1}{2}$	$\frac{23}{4}$	56	44	$\frac{15}{8}$	8

These drilling templates are in multiples of four, so that fittings may be made to face in any quarter, and bolt holes straddle the center line. We can drill to any other template, if so desired.

Bolt holes are drilled $\frac{1}{8}$ inch larger than nominal diameter of bolts, except that brass valves and fittings, 6-inch and smaller, have holes $\frac{1}{16}$ inch larger than the bolts.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

STANDARD

Plate 2854-H

ELBOWS

45°



Plate 2855-H

STANDARD

45°

Effective April 1, 1914

Size Inches	Center to Face Inches	Diam. of Flanges Inches	PRICE, EACH		Size Inches	Center to Face Inches	Diam. of Flanges Inches	PRICE, EACH	
			With Faced Flanges	With Faced and Drilled Flanges				With Faced Flanges	With Faced and Drilled Flanges
1¼	4¼	5	4.50	5.40	1¼	2½	5	5.00	5.90
1½	4½	6	4.50	5.40	1½	2¾	6	5.00	5.90
2	5	6½	4.50	5.40	2	3	6½	5.00	5.90
2½	5½	7½	4.75	5.65	2½	3½	7½	5.25	6.15
3	6	8¼	5.15	6.25	3	3½	8¼	5.65	6.75
3½	6½	9	6.10	7.35	3½	4	9	6.75	8.00
4	7	10	6.75	8.25	4	4½	10	7.50	9.00
4½	7½	10½	8.25	9.75	4½	4½	10½	9.00	10.50
5	8	11	9.35	10.85	5	5	11	10.35	11.85
6	8½	12½	11.40	13.40	6	5½	12½	12.50	14.50
7	9	14	15.75	18.00	7	6	14	16.50	18.75
8	10	15	18.00	20.50	8	6	15	19.00	21.50
9	10½	16¼	25.50	28.85	9	6½	16¼	26.75	30.10
10	11½	17½	28.50	32.50	10	7	17½	30.00	34.00
12	13	20½	42.00	46.50	12	8	20½	44.00	48.50
14	15	23	62.00	67.50	14	8½	23	62.00	67.50
15	15½	24½	70.00	77.00	15	9	24½	70.00	77.00
16	16½	25½	82.00	90.00	16	9½	25½	82.00	90.00
18	18	28	106.00	115.00	18	10	28	106.00	115.00
20	19½	30½	135.00	145.00	20	10½	30½	135.00	145.00
22	20½	33	170.00	183.00	22	11	33	170.00	183.00
24	22½	36	210.00	225.00	24	12	36	210.00	225.00

Furnished FACED AND DRILLED, unless otherwise ordered.

Larger sizes made to order. Prices on application.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

TEES

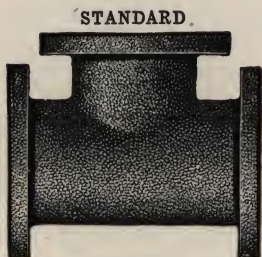


Plate 2856-H

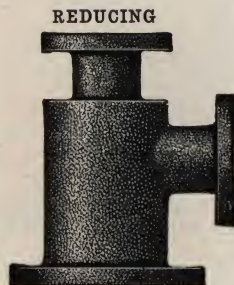


Plate 2857-H

STANDARD

REDUCING
Reducing in Run or Branch

Effective April 1, 1914

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
1¼	4¼	8½	5	6.50	7.85	....	.....	.....
1½	4½	9	6	6.50	7.85	1½	7.50	8.85
2	5	10	6½	6.50	7.85	2	7.50	8.85
2½	5½	11	7½	6.90	8.25	2½	8.00	9.35
3	6	12	8¼	7.50	9.15	3	8.60	10.25
3½	6½	13	9	8.90	10.80	3½	10.25	12.15
4	7	14	10	9.75	12.00	4	11.25	13.50
4½	7½	15	10½	12.00	14.25	4½	13.75	16.00
5	8	16	11	13.50	15.75	5	15.50	17.75
6	8½	17	12½	16.50	19.50	6	19.00	22.00
7	9	18	14	23.00	26.35	7	26.50	29.85
8	10	20	15	26.00	29.75	8	30.00	33.75
9	10½	21	16¼	37.00	42.00	9	42.50	47.50
10	11½	23	17½	41.50	47.50	10	47.75	53.75
12	13	26	20½	61.00	67.75	12	70.00	76.75
14	15	30	23	90.00	98.25	14	103.50	111.75
15	15½	31	24½	102.00	112.00	15	117.00	127.00
16	16½	33	25½	119.00	131.00	16	137.00	149.00
18	18	36	28	154.00	168.00	18	177.00	191.00
20	19½	39	30½	195.00	210.00	20	225.00	240.00
22	20½	41	33	247.00	267.00	22	285.00	305.00
24	22½	45	36	305.00	328.00	24	350.00	373.00

Furnished faced and drilled, unless otherwise ordered.

Larger sizes made to order. Prices on application.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

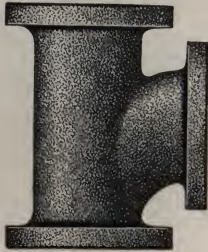
SINGLE SWEEP TEES**STANDARD**

Plate 2858-H

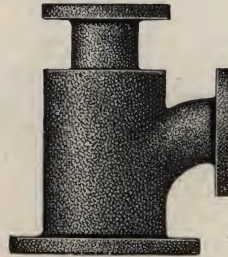
REDUCING

Plate 2859-H

STANDARD**REDUCING**

Reducing in Run or Branch

Effective April 1, 1914

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
2	5	10	6½	7.50	8.85	2	8.60	9.95
2½	5½	11	7½	8.00	9.35	2½	9.15	10.50
3	6	12	8¼	8.60	10.25	3	9.90	11.55
3½	6½	13	9	10.25	12.15	3½	11.75	13.65
4	7	14	10	11.25	13.50	4	13.00	15.25
4½	7½	15	10½	13.75	16.00	4½	15.75	18.00
5	8	16	11	15.50	17.75	5	17.85	20.10
6	8½	17	12½	19.00	22.00	6	22.00	25.00
7	9	18	14	26.50	29.85	7	30.50	33.85
8	10	20	15	30.00	33.75	8	34.50	38.25
9	10½	21	16¼	42.50	47.50	9	49.00	54.00
10	11½	23	17½	47.75	53.75	10	55.00	61.00
12	13	26	20½	70.00	76.75	12	80.00	86.75
14	15	30	23	103.50	111.75	14	119.00	127.25
15	15½	31	24½	117.00	127.00	15	135.00	145.00
16	16½	33	25½	137.00	149.00	16	158.00	170.00
18	18	36	28	177.00	191.00	18	204.00	218.00
20	19½	39	30½	225.00	240.00	20	260.00	275.00
22	20½	41	33	285.00	305.00	22	327.00	347.00
24	22½	45	36	350.00	373.00	24	402.00	425.00

Furnished faced and drilled, unless otherwise ordered.

Larger sizes made to order. Prices on application.

Reducing single sweep tees made to order only.

Single sweep tees not made with the side opening larger than the run.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

DOUBLE SWEEP TEES



Plate 2860-H

STANDARD

REDUCING
Reducing in Branch Only

Effective April 1, 1914

Size Inches	Center to Face Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
2	5	10	6½	7.50	8.85	2	8.60	9.95
2½	5½	11	7½	8.00	9.35	2½	9.15	10.50
3	6	12	8¼	8.60	10.25	3	9.90	11.55
3½	6½	13	9	10.25	12.15	3½	11.75	13.65
4	7	14	10	11.25	13.50	4	13.00	15.25
4½	7½	15	10½	13.75	16.00	4½	15.75	18.00
5	8	16	11	15.50	17.75	5	17.85	20.10
6	8½	17	12½	19.00	22.00	6	22.00	25.00
7	9	18	14	26.50	29.85	7	30.50	33.85
8	10	20	15	30.00	33.75	8	34.50	38.25
9	10½	21	16¼	42.50	47.50	9	49.00	54.00
10	11½	23	17½	47.75	53.75	10	55.00	61.00
12	13	26	20½	70.00	76.75	12	80.00	86.75
14	15	30	23	103.50	111.75	14	119.00	127.25
15	15½	31	24½	117.00	127.00	15	135.00	145.00
16	16½	33	25½	137.00	149.00	16	158.00	170.00
18	18	36	28	177.00	191.00	18	204.00	218.00
20	19½	39	30½	225.00	240.00	20	260.00	275.00
22	20½	41	33	285.00	305.00	22	327.00	347.00
24	22½	45	36	350.00	373.00	24	402.00	425.00

Furnished FACED AND DRILLED, unless otherwise ordered.

Reducing double sweep tees made to order only.

Double sweep tees are not made reducing on the run. Should such tees, however, be wanted, we will alter patterns (which will be expensive) and charge at a special price. We can only increase branch (outlet) within a reasonable limit, which must be regulated by our patterns.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

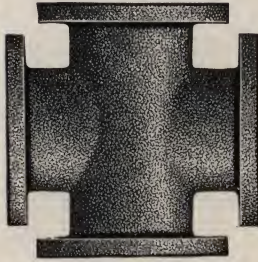
CROSSES**STANDARD**

Plate 2861-H

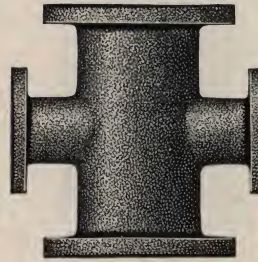
REDUCING

Plate 2862-H

STANDARD**REDUCING**

Effective April 1, 1914

Size Inches	Face to Face Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	Diameter of Flanges Inches	PRICE, EACH	
			With Faced Flanges	With Faced and Drilled Flanges			With Faced Flanges	With Faced and Drilled Flanges
1¼	8½	5	10.00	11.80	....	....	.....	.....
1½	9	6	10.00	11.80	....	....	.....	.....
2	10	6½	10.00	11.80	2	6½	11.50	13.30
2½	11	7½	10.50	12.30	2½	7½	12.00	13.80
3	12	8¼	11.50	13.75	3	8¼	13.25	15.50
3½	13	9	13.50	16.00	3½	9	15.50	18.00
4	14	10	15.00	18.00	4	10	17.00	20.00
4½	15	10½	18.00	21.00	4½	10½	21.00	24.00
5	16	11	20.50	23.50	5	11	23.50	26.50
6	17	12½	25.00	29.00	6	12½	29.00	33.00
7	18	14	35.00	39.50	7	14	40.00	44.50
8	20	15	40.00	45.00	8	15	46.00	51.00
9	21	16¼	56.00	62.75	9	16¼	65.00	71.75
10	23	17½	63.00	71.00	10	17½	72.00	80.00
12	26	20½	92.00	101.00	12	20½	106.00	115.00
14	30	23	136.00	147.00	14	23	158.00	169.00
15	31	24½	155.00	169.00	15	24½	177.00	191.00
16	33	25½	180.00	196.00	16	25½	207.00	223.00
18	36	28	235.00	253.00	18	28	270.00	288.00
20	39	30½	300.00	320.00	20	30½	345.00	365.00
22	41	33	375.00	401.00	22	33	430.00	456.00
24	45	36	465.00	495.00	24	36	535.00	565.00

Furnished FACED AND DRILLED, unless otherwise ordered.

These fittings can also be furnished faced as follows: Corrugated, male, female, tongued and grooved.

Reducing crosses made to order only.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

LATERALS

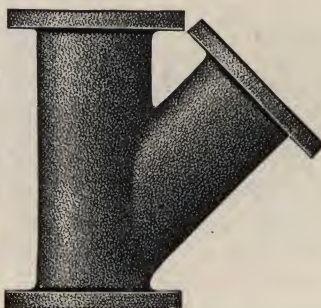


Plate 2863-H

STANDARD

REDUCING

Reducing in Run or Branch

Effective April 1, 1914

Size Inches	Center to Face of Run or Outlet Inches	Face to Face of Run Inches	Diameter of Flanges Inches	PRICE, EACH		Size Inches	PRICE, EACH	
				With Faced Flanges	With Faced and Drilled Flanges		With Faced Flanges	With Faced and Drilled Flanges
2	9	11½	6½	10.00	11.80	2	11.50	13.30
2½	10½	13	7½	10.50	12.30	2½	12.00	13.80
3	11	14	8¼	11.50	13.75	3	13.25	15.50
3½	12½	15½	9	13.50	16.00	3½	15.50	18.00
4	13½	16½	10	15.00	18.00	4	17.00	20.00
4½	14½	18	10½	18.00	21.00	4½	21.00	24.00
5	15	18½	11	20.50	23.50	5	23.50	26.50
6	17½	21½	12½	25.00	29.00	6	29.00	33.00
7	19	23½	14	35.00	39.50	7	40.00	44.50
8	20½	25½	15	40.00	45.00	8	46.00	51.00
9	22½	27½	16¼	56.00	62.75	9	65.00	71.75
10	24	29½	17½	63.00	71.00	10	72.00	80.00
12	27½	33½	20½	92.00	101.00	12	106.00	115.00
14	31	37½	23	136.00	147.00	14	158.00	169.00
15	33	39½	24½	155.00	169.00	15	177.00	191.00
16	34½	42	25½	180.00	196.00	16	207.00	223.00
18	37½	45½	28	235.00	253.00	18	270.00	288.00
20	40½	49	30½	300.00	320.00	20	345.00	365.00
22	43½	53	33	375.00	401.00	22	430.00	456.00
24	47½	57½	36	465.00	495.00	24	535.00	565.00

Furnished FACED AND DRILLED, unless otherwise ordered.

These fittings can also be furnished faced as follows: Corrugated, male, female, tongued and grooved.

EXTRA HEAVY FLANGED FITTINGS

For 250 Pounds Steam Working Pressure

LONG RADIUS ELBOW

Plate 2864-H

**BASE ELBOW
ROUND FLANGE**

Plate 2865-H

LONG RADIUS ELBOWS**BASE ELBOWS**

Effective April 1, 1914

Size Inches	Center to Face Inches	Radius Inches	Diam. of Flanges Inches	PRICE, EACH		Size Inches	Diam. of Flanges Except Base Flange Inches	Center to Face Inches	Center to Face of Round or Square Base Inches	Diam. of *Base Flanges Inches	PRICE, EACH		Facing and Drilling Base Flange
				With Faced Flanges	With Faced and Drilled Flanges						Faced Except Base Flange	Faced and Drilled Except Base Flange	
2	6 $\frac{1}{2}$	5 $\frac{1}{4}$	6 $\frac{1}{2}$	7.50	8.85	....	....	....	....	....	....	....	....
2 $\frac{1}{2}$	7	5 $\frac{5}{8}$	7 $\frac{1}{2}$	8.00	9.35	....	....	....	....	....	....	....	....
3	7 $\frac{3}{4}$	6 $\frac{1}{4}$	8 $\frac{1}{4}$	8.60	10.25	....	....	....	....	....	....	....	....
3 $\frac{1}{2}$	8 $\frac{1}{2}$	6 $\frac{7}{8}$	9	10.25	12.15	....	....	....	....	....	....	....	....
4	9	7 $\frac{3}{8}$	10	11.25	13.50	4	10	7	7	6 $\frac{1}{2}$	13.50	15.00	4.50
4 $\frac{1}{2}$	9 $\frac{1}{2}$	7 $\frac{3}{4}$	10 $\frac{1}{2}$	13.75	16.00	4 $\frac{1}{2}$	10 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{4}$	6 $\frac{1}{2}$	16.50	18.00	4.50
5	10 $\frac{1}{4}$	8 $\frac{1}{2}$	11	15.50	17.75	5	11	8	7 $\frac{1}{2}$	7 $\frac{1}{2}$	18.75	20.25	5.25
6	11 $\frac{1}{2}$	9 $\frac{5}{8}$	12 $\frac{1}{2}$	19.00	22.00	6	12 $\frac{1}{2}$	8 $\frac{1}{2}$	8	7 $\frac{1}{2}$	22.75	24.75	5.25
7	12 $\frac{3}{4}$	10 $\frac{7}{8}$	14	26.50	29.85	7	14	9	8 $\frac{3}{4}$	7 $\frac{1}{2}$	31.50	33.75	5.25
8	14	12	15	30.00	33.75	8	15	10	9 $\frac{1}{4}$	10	36.00	38.50	7.50
9	15 $\frac{1}{4}$	13	16 $\frac{1}{4}$	42.50	47.50	9	16 $\frac{1}{4}$	10 $\frac{1}{2}$	10	10	51.00	54.35	7.50
10	16 $\frac{1}{2}$	14 $\frac{1}{8}$	17 $\frac{1}{2}$	47.75	53.75	10	17 $\frac{1}{2}$	11 $\frac{1}{2}$	10 $\frac{1}{2}$	10	57.00	61.00	7.50
12	19	16 $\frac{1}{2}$	20 $\frac{1}{2}$	70.00	76.75	12	20 $\frac{1}{2}$	13	11	12 $\frac{1}{2}$	84.00	88.50	11.00
14	21 $\frac{1}{2}$	18 $\frac{7}{8}$	23	103.50	111.75	14	23	15	14	12 $\frac{1}{2}$	105.00	110.50	11.00
15	22 $\frac{3}{4}$	20	24 $\frac{1}{2}$	117.00	127.00	15	24 $\frac{1}{2}$	15 $\frac{1}{2}$	14 $\frac{1}{2}$	12 $\frac{1}{2}$	120.00	127.00	11.00
16	24	21 $\frac{1}{4}$	25 $\frac{1}{2}$	137.00	149.00	16	25 $\frac{1}{2}$	16 $\frac{1}{2}$	15 $\frac{1}{4}$	12 $\frac{1}{2}$	135.00	143.00	11.00

*The measurement across the flat edges of square base flange is the same as the diameter of the round base flange.

Sizes above 16 inches, prices on application.

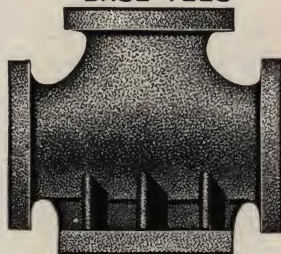
BASE TEES

Plate 2866-H

Base tees made to order. Prices on application.

EXTRA HEAVY CAST IRON FLANGES

For Steam Working Pressures up to 250 Pounds

THREADED

FACED, AND FACED AND DRILLED

BACK VIEW, SHOWING HUB



Plate 2867-H

SMOOTH FACE



Plate 2868-H

BLIND OR SOLID

FACED, AND FACED AND DRILLED



Plate 2869-H

The $\frac{1}{32}$ -inch raised face inside of the bolt holes and projecting face turned off smooth for thin copper gasket; also $\frac{1}{16}$ -inch raised face inside of the bolt holes and the projecting face finished very smooth and polished at the factory, ready for grinding, can be furnished when specified on order, at special price.

THREADED

BLIND OR SOLID

Size Inches	PRICE, EACH		Outside Size Inches	PRICE, EACH	
	Faced	Faced and Drilled		Faced	Faced and Drilled
1 x $4\frac{1}{2}$	.95	1.30	$4\frac{1}{2}$	....	....
$1\frac{1}{4}$ x 5	1.00	1.35	5	....	....
$1\frac{1}{2}$ x 6	1.10	1.45	6	1.65	2.00
2 x $6\frac{1}{2}$	1.25	1.60	$6\frac{1}{2}$	1.90	2.25
$2\frac{1}{2}$ x $7\frac{1}{2}$	1.40	1.75	$7\frac{1}{2}$	2.10	2.45
3 x $8\frac{1}{4}$	1.60	2.05	$8\frac{1}{4}$	2.40	2.85
$3\frac{1}{2}$ x 9	2.00	2.55	9	3.00	3.55
4 x 10	2.25	2.95	10	3.35	4.05
$4\frac{1}{2}$ x $10\frac{1}{2}$	2.40	3.10	$10\frac{1}{2}$	3.60	4.30
5 x 11	2.65	3.35	11	4.00	4.70
6 x $12\frac{1}{2}$	3.30	4.05	$12\frac{1}{2}$	5.00	5.75
7 x 14	4.40	5.30	14	6.60	7.50
8 x 15	5.10	6.15	15	7.65	8.70
9 x $16\frac{1}{4}$	6.30	7.50	$16\frac{1}{4}$	9.50	10.70
10 x $17\frac{1}{2}$	7.40	8.90	$17\frac{1}{2}$	11.00	12.50
12 x $20\frac{1}{2}$	10.75	12.50	$20\frac{1}{2}$	16.00	17.75
14 x 23	15.00	17.00	23	22.50	24.50
15 x $24\frac{1}{2}$	19.00	21.50	$24\frac{1}{2}$	28.50	31.00
16 x $25\frac{1}{2}$	22.25	25.00	$25\frac{1}{2}$	33.50	36.25
18 x 28	26.00	29.00	28	39.00	42.00
20 x $30\frac{1}{2}$	31.00	35.00	$30\frac{1}{2}$	46.00	50.00
22 x 33	36.00	41.00	33	54.00	59.00
24 x 36	45.00	50.00	36	67.00	72.00

Furnished faced and drilled, unless otherwise ordered.

EXTRA HEAVY REDUCING COMPANION FLANGES WITH RIBS

FOR EXTRA HEAVY FLANGED VALVES AND FITTINGS

For 250 Pounds Steam Working Pressure

These flanges, used in connection with straight or reducing fittings, enable us to fill orders more promptly. Customers who desire fittings reduced in this manner will please specify "Reduce by Flanges if Necessary."

These flanges will always be of the same thickness as the regular companion flanges of corresponding outside diameters, and drilled to the template corresponding to outside diameter, unless otherwise ordered.

In ordering reducing companion flanges always give the screwed or reduced size first, then the outside diameter of flange wanted; for instance, if a reducing flange is wanted to connect a 6-inch pipe to a 9-inch flanged valve or fitting having a $16\frac{1}{4}$ -inch O. D. flange, order a $6 \times 16\frac{1}{4}$ -inch reducing flange. This will clearly avoid the confusion often caused by orders incorrectly calling for a 9x6 or a 6x9-inch flange.

Effective April 1, 1914

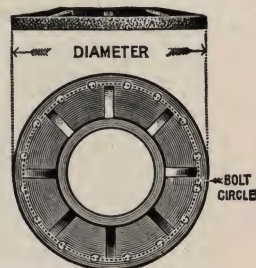


Plate 2870-H

Size Inches	PRICE, EACH		Size Inches	PRICE, EACH		Size Inches	PRICE, EACH	
	Faced	Faced and Drilled		Faced	Faced and Drilled		Faced	Faced and Drilled
$1\frac{1}{2} \times 7\frac{1}{2}$	2.30	2.65	4 x $12\frac{1}{2}$	5.50	6.25	$10 \times 20\frac{1}{2}$	17.50	19.25
2 x $7\frac{1}{2}$	2.30	2.65	$4\frac{1}{2} \times 12\frac{1}{2}$	5.50	6.25	8x23	25.00	27.00
$1\frac{1}{2} \times 8\frac{1}{4}$	2.65	3.10	5 x $12\frac{1}{2}$	5.50	6.25	9x23	25.00	27.00
2 x $8\frac{1}{4}$	2.65	3.10	$4\frac{1}{2} \times 14$	7.25	8.15	10×23	25.00	27.00
$2\frac{1}{2} \times 8\frac{1}{4}$	2.65	3.10	5 x 14	7.25	8.15	12×23	25.00	27.00
2 x 9	3.30	3.85	6 x 14	7.25	8.15	$8 \times 24\frac{1}{2}$	31.50	34.00
$2\frac{1}{2} \times 9$	3.30	3.85	3 x 15	8.40	9.45	$10 \times 24\frac{1}{2}$	31.50	34.00
3 x 9	3.30	3.85	$3\frac{1}{2} \times 15$	8.40	9.45	$12 \times 24\frac{1}{2}$	31.50	34.00
2 x 10	3.70	4.40	4 x 15	8.40	9.45	$14 \times 24\frac{1}{2}$	31.50	34.00
$2\frac{1}{2} \times 10$	3.70	4.40	5 x 15	8.40	9.45	$10 \times 25\frac{1}{2}$	37.00	39.75
3 x 10	3.70	4.40	6 x 15	8.40	9.45	$12 \times 25\frac{1}{2}$	37.00	39.75
$3\frac{1}{2} \times 10$	3.70	4.40	7 x 15	8.40	9.45	$14 \times 25\frac{1}{2}$	37.00	39.75
2 x $10\frac{1}{2}$	4.00	4.70	4 x $16\frac{1}{4}$	10.50	11.70	$15 \times 25\frac{1}{2}$	37.00	39.75
$2\frac{1}{2} \times 10\frac{1}{2}$	4.00	4.70	5 x $16\frac{1}{4}$	10.50	11.70	12×28	43.00	46.00
3 x $10\frac{1}{2}$	4.00	4.70	6 x $16\frac{1}{4}$	10.50	11.70	14×28	43.00	46.00
$3\frac{1}{2} \times 10\frac{1}{2}$	4.00	4.70	7 x $16\frac{1}{4}$	10.50	11.70	15×28	43.00	46.00
4 x $10\frac{1}{2}$	4.00	4.70	8 x $16\frac{1}{4}$	10.50	11.70	16×28	43.00	46.00
2 x 11	4.40	5.10	5 x $17\frac{1}{2}$	12.00	13.50	$14 \times 30\frac{1}{2}$	51.00	55.00
$2\frac{1}{2} \times 11$	4.40	5.10	6 x $17\frac{1}{2}$	12.00	13.50	$15 \times 30\frac{1}{2}$	51.00	55.00
3 x 11	4.40	5.10	7 x $17\frac{1}{2}$	12.00	13.50	$16 \times 30\frac{1}{2}$	51.00	55.00
$3\frac{1}{2} \times 11$	4.40	5.10	8 x $17\frac{1}{2}$	12.00	13.50	$18 \times 30\frac{1}{2}$	51.00	55.00
4 x 11	4.40	5.10	9 x $17\frac{1}{2}$	12.00	13.50	16×33	60.00	65.00
$4\frac{1}{2} \times 11$	4.40	5.10	6 x $20\frac{1}{2}$	17.50	19.25	18×33	60.00	65.00
2 x $12\frac{1}{2}$	5.50	6.25	7 x $20\frac{1}{2}$	17.50	19.25	20×33	60.00	65.00
$2\frac{1}{2} \times 12\frac{1}{2}$	5.50	6.25	8 x $20\frac{1}{2}$	17.50	19.25	18×36	74.00	79.00
3 x $12\frac{1}{2}$	5.50	6.25	9 x $20\frac{1}{2}$	17.50	19.25	20×36	74.00	79.00

Furnished faced and drilled, unless otherwise ordered.

DIAMETER OF EXTRA HEAVY FLANGES AND TEMPLATES

FOR DRILLING EXTRA HEAVY FLANGED VALVES,
FITTINGS AND FLANGES

For 250 Pounds Working Pressure

Size Inches	Diameter of Flanges Inches	Bolt Circle Inches	Number of Bolts	Size of Bolts Inches	Length of Bolts Inches
1	4½	3¼	4	½	2
1¼	5	3¾	4	½	2¼
1½	6	4½	4	⅝	2½
2	6½	5	4	⅝	2½
2½	7½	5⅞	4	¾	3
3	8¼	6⅝	8	¾	3¼
3½	9	7¼	8	¾	3¼
4	10	7⅞	8	¾	3½
4½	10½	8½	8	¾	3½
5	11	9¼	8	¾	3¾
6	12½	10⅝	12	¾	3¾
7	14	11⅞	12	⅞	4
8	15	13	12	⅞	4¼
9	16¼	14	12	1	4¾
10	17½	15¼	16	1	5
12	20½	17¾	16	1⅝	5½
14	23	20¼	20	1⅝	5¾
15	24½	21½	20	1¾	6
16	25½	22½	20	1¾	6
18	28	24¾	24	1¾	6¼
20	30½	27	24	1⅝	6¾
22	33	29¼	24	1½	7
24	36	32	24	1⅝	7½

Flanges, flanged fittings, valves, etc., are drilled in multiples of four, so that fittings may be made to face in any quarter and holes straddle center line.

We will drill fittings, valves, etc., to any other template desired, but would advise that the above extra heavy template be used

**PRICE LIST FOR DRILLING
STANDARD, LOW PRESSURE, MEDIUM AND EXTRA HEAVY
FLANGED VALVES AND FITTINGS**

Size Inches	PRICE, EACH, FOR DRILLING STANDARD AND LOW PRESSURE VALVES			PRICE, EACH, FOR DRILLING MEDIUM AND EXTRA HEAVY VALVES		
	With Two Flanges Except Angle Valves	Angle Valves	Cross Valves and Cross Safety Valves	With Two Flanges Except Angle Valves	Angle Valves	Cross Valves
3/4	.60	1.00	1.20	....	....	....
1	.60	1.00	1.20	.60	1.00	....
1 1/4	.60	1.00	1.20	.60	1.00	....
1 1/2	.60	1.00	1.20	.60	1.00	....
2	.75	1.25	1.50	.75	1.25	1.50
2 1/2	.75	1.25	1.50	.75	1.25	1.50
3	.75	1.25	1.50	.75	1.25	1.50
3 1/2	1.00	1.50	2.00	1.00	1.50	2.00
4	1.25	1.75	2.50	1.25	1.75	2.50
4 1/2	1.50	2.00	3.00	1.50	2.00	3.00
5	1.50	2.00	3.00	1.50	2.00	3.00
6	1.75	2.50	3.50	1.75	2.50	3.50
7	2.25	3.00	4.50	2.25	3.00	4.50
8	2.25	3.00	4.50	2.25	3.00	4.50
9	2.50	3.50	5.00	2.50	3.50	5.00
10	2.50	3.50	5.00	2.50	3.50	5.00
12	3.50	5.00	7.00	3.50	5.00	7.00
14	4.00	6.00	....	4.00	6.00	8.00
15	4.50	6.50	....	4.00	6.00	8.00
16	5.00	7.00	....	5.00	7.00	10.00
18	6.00	10.00	....	6.00	....	....
20	7.50	12.00	....	7.50	....	....
22	9.00	14.00	....	9.00	....	....
24	10.00	16.00	....	10.00	....	....
26	11.00	18.00	....	....	....	....
28	12.00	20.00	....	....	....	....
30	12.00	22.00	....	12.00	....	....
32	12.00	22.00	....	....	....	....
34	14.00	24.00	....	....	....	....
36	14.00	24.00	....	....	....	....
42	25.00	....	....	....	....	....
48	30.00	....	....	....	....	....

**EXTRA NET PRICES FOR ATTACHING COMPANION FLANGES TO
STANDARD FLANGED FITTINGS AND VALVES**

Size Inches	PRICE, EACH		Size Inches	PRICE, EACH	
	For Bolting Com- panion Flanges to Fittings Single Flange	Wooden Protec- tors Bolted on with Two Bolts		For Bolting Com- panion Flanges to Fittings Single Flange	Wooden Protec- tors Bolted on with Two Bolts
1 1/4	.10	.20	6	.15	.25
1 1/2	.10	.20	7	.15	.30
2	.10	.20	8	.15	.30
2 1/2	.10	.20	9	.20	.30
3	.10	.25	10	.20	.35
3 1/2	.10	.25	12	.20	.35
4	.10	.25	14	.20	.40
4 1/2	.15	.25	15	.25	.40
5	.15	.25	16	.25	.45

Bolts and gaskets not included in above prices. Spot facing bolt holes, 5 cents net, extra, for each hole.

GASKETS

"FLEXITALLIC" GASKETS



Plate 2871-H

GASKET IN PLACE

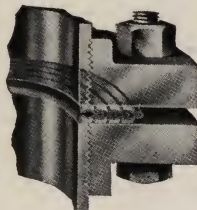


Plate 2872-H

"Flexitallic" Gaskets are blow-proof and indestructible, regardless of pressure or conditions.

As shown by the illustrations, the plies of waterproofed asbestos and spring steel are built up at right angles to the line of pressure, in one interlocking length, beginning on the inside and ending on the outside, so that it is impossible for "Flexitallic" Gaskets to blow out, and it is so flexible that the worst joints keep tight regardless of pressure or conditions.

"Flexitallic" Gaskets will successfully take care of vibration or expansion and contraction. They can be used over and over again because they are indestructible and will not stick to flanges.

HANDHOLE GASKETS		MANHOLE GASKETS		TANK PLATE GASKETS	
Size Inches	Price Each	Size Inches	Price Each	Size Inches	Price Each
3 x 4	.15	9x11	.90	16x18	1.90
3½x 4½	.20	9x12	1.00	17x19	2.10
3 x 5	.20	9x13	1.05	17x20	2.20
4 x 6	.25	10x14	1.15	18x20	2.30
5 x 7	.30	10x15	1.20	18x22	2.50
6 x 8	.35	11x15	1.25	18x24	2.70
7 x 9	.60	12x16	1.35	20x26	3.00
8 x10	.70	13x17	1.50	24x30	3.40

Sizes up to 4x 6 inches have ½-inch wide flange.

" " " 6x 8 " " ⅝ " " "

" " " 8x10 " " ¾ " " "

All manhole sizes have 1-inch wide flange.

All tank plates have 1½ " " "

Prices on tube cap gaskets for any make boiler upon application.

GENUINE RAINBOW GASKETS—(Not Illustrated)

Thickness.....inches	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$
Price.....per pound	2.30	2.00	2.00	2.00	1.90	1.90

Always give thickness desired, also inside and outside diameter.

"FLEXITALLIC" GASKETS**STANDARD****PIPE FLANGE****EXTRA HEAVY**

Size of Pipe Inches	DIAMETERS OF GASKETS REQUIRED INCHES		Price Each	Size of Pipe Inches	DIAMETERS OF GASKETS REQUIRED INCHES		Price Each
	Inside	Outside			Inside	Outside	
1	1 $\frac{3}{4}$	2 $\frac{1}{2}$	.10	1	1 $\frac{3}{4}$	2 $\frac{5}{8}$	.10
1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{7}{8}$	.12	1 $\frac{1}{4}$	2 $\frac{1}{8}$	3 $\frac{1}{8}$	.15
1 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{4}$	.15	1 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	.21
2	3 $\frac{1}{4}$	4	.21	2	3 $\frac{1}{4}$	4 $\frac{1}{4}$	.25
2 $\frac{1}{2}$	4	4 $\frac{3}{4}$	.24	2 $\frac{1}{2}$	4	5	.30
3	4 $\frac{1}{4}$	5 $\frac{1}{4}$	.29	3	4 $\frac{1}{4}$	5 $\frac{1}{2}$	.35
3 $\frac{1}{2}$	5 $\frac{1}{4}$	6 $\frac{1}{4}$	.33	3 $\frac{1}{2}$	5 $\frac{1}{4}$	6 $\frac{1}{2}$	.40
4	5 $\frac{5}{8}$	6 $\frac{3}{4}$	.35	4	5 $\frac{5}{8}$	6 $\frac{7}{8}$	.45
4 $\frac{1}{2}$	5 $\frac{5}{8}$	6 $\frac{7}{8}$	.40	4 $\frac{1}{2}$	5 $\frac{5}{8}$	7 $\frac{5}{8}$	.60
5	6 $\frac{3}{8}$	7 $\frac{5}{8}$	.45	5	6 $\frac{3}{8}$	8 $\frac{3}{8}$	.70
6	7 $\frac{1}{8}$	8 $\frac{5}{8}$	.60	6	7 $\frac{1}{8}$	9 $\frac{3}{8}$	.90
7	8 $\frac{3}{8}$	9 $\frac{7}{8}$	.75	7	8 $\frac{3}{8}$	10 $\frac{5}{8}$	.95
8	9 $\frac{1}{8}$	10 $\frac{7}{8}$	.85	8	9 $\frac{1}{8}$	11 $\frac{1}{2}$	1.05
9	10 $\frac{5}{8}$	12 $\frac{3}{8}$	1.00	9	10 $\frac{5}{8}$	12 $\frac{3}{4}$	1.10
10	11 $\frac{1}{4}$	13 $\frac{1}{4}$	1.30	10	11 $\frac{1}{4}$	13 $\frac{7}{8}$	1.40
12	14	16	1.50	12	14	16 $\frac{1}{2}$	1.70
14	15 $\frac{5}{8}$	17 $\frac{5}{8}$	1.80	14	15 $\frac{5}{8}$	18 $\frac{3}{8}$	2.05
15	16 $\frac{7}{8}$	18 $\frac{7}{8}$	2.20	15	16 $\frac{7}{8}$	19 $\frac{5}{8}$	2.45
16	17 $\frac{5}{8}$	20 $\frac{7}{8}$	2.30	16	18 $\frac{3}{8}$	21 $\frac{3}{8}$	3.00
18	19	21 $\frac{1}{2}$	2.60	18	20 $\frac{3}{8}$	23 $\frac{3}{8}$	3.48
20	20 $\frac{3}{4}$	23 $\frac{3}{4}$	3.48	20	22 $\frac{1}{2}$	25 $\frac{1}{2}$	3.96
22	22 $\frac{7}{8}$	25 $\frac{7}{8}$	4.08	22	24 $\frac{1}{2}$	27 $\frac{1}{2}$	5.04
24	25 $\frac{1}{8}$	28 $\frac{1}{8}$	4.56	24	27	30	5.60
26	27 $\frac{3}{8}$	30 $\frac{3}{8}$	5.04	....	....	....	....
28	29 $\frac{3}{8}$	32 $\frac{3}{8}$	7.36	....	....	....	....
30	31 $\frac{1}{2}$	34 $\frac{1}{2}$	8.00	....	....	....	....

STANDARD**FLANGE UNION****EXTRA HEAVY**

Size of Pipe Inches	DIAMETERS OF GASKETS REQUIRED INCHES		Price Each	Size of Pipe Inches	DIAMETERS OF GASKETS REQUIRED INCHES		Price Each
	Inside	Outside			Inside	Outside	
1 $\frac{1}{2}$	7 $\frac{7}{8}$	13 $\frac{3}{8}$	.04	1 $\frac{1}{2}$	13 $\frac{3}{16}$	13 $\frac{3}{4}$	.05
3 $\frac{1}{4}$	1	15 $\frac{5}{8}$	.05	3 $\frac{1}{4}$	13 $\frac{3}{16}$	13 $\frac{3}{4}$	.05
1	1 $\frac{1}{4}$	17 $\frac{7}{8}$	.06	1	13 $\frac{3}{8}$	2	.06
1 $\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{5}{16}$	.07	1 $\frac{1}{4}$	1 $\frac{5}{8}$	2 $\frac{7}{16}$	.07
1 $\frac{1}{2}$	2	2 $\frac{3}{4}$	.10	1 $\frac{1}{2}$	2	2 $\frac{3}{4}$	.10
2	2 $\frac{1}{2}$	3 $\frac{1}{4}$	.15	2	2 $\frac{3}{4}$	3 $\frac{1}{2}$	.17
2 $\frac{1}{2}$	3 $\frac{7}{8}$	3 $\frac{5}{16}$	.20	2 $\frac{1}{2}$	3 $\frac{1}{8}$	3 $\frac{7}{8}$	.20
3	3 $\frac{5}{8}$	4 $\frac{1}{2}$	.22	3	3 $\frac{5}{8}$	4 $\frac{1}{2}$	.22
3 $\frac{1}{2}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	.26	3 $\frac{1}{2}$	4 $\frac{1}{8}$	5 $\frac{1}{8}$	.26
4	4 $\frac{1}{2}$	5 $\frac{5}{8}$	.31	4	4 $\frac{5}{8}$	5 $\frac{3}{4}$	.31
4 $\frac{1}{2}$	5 $\frac{1}{4}$	6 $\frac{3}{8}$	.36	4 $\frac{1}{2}$	5 $\frac{1}{8}$	6 $\frac{1}{4}$	.36
5	5 $\frac{3}{4}$	7	.42	5	5 $\frac{3}{4}$	7	.42
6	6 $\frac{3}{4}$	8 $\frac{1}{8}$	.48	6	6 $\frac{3}{4}$	8 $\frac{1}{8}$	.48
7	7 $\frac{7}{8}$	9 $\frac{1}{2}$	.58	7	7 $\frac{1}{2}$	9 $\frac{1}{4}$	.60
8	8 $\frac{7}{8}$	10 $\frac{1}{2}$	.72	8	8 $\frac{1}{2}$	10 $\frac{1}{8}$	.70
9	9 $\frac{3}{4}$	11 $\frac{1}{2}$	.80	10	10 $\frac{9}{16}$	12 $\frac{9}{16}$	.90
10	10 $\frac{9}{4}$	12 $\frac{3}{4}$	.90	12	12 $\frac{7}{8}$	14 $\frac{7}{8}$	1.15
12	13 $\frac{1}{8}$	15 $\frac{1}{8}$	1.15	....	....	....	....
14	15 $\frac{1}{4}$	17 $\frac{3}{8}$	1.55	....	....	....	....
16	17 $\frac{1}{2}$	19 $\frac{3}{4}$	2.00	....	....	....	....

Flange gaskets are made to fit inside bolts.

PIPE CLAMPS AND SADDLES

MALLEABLE IRON, WITH WROUGHT IRON STRAPS

STEAM PIPE SADDLE

WATER PIPE CLAMPS



Plate 2873-H



Plate 2874-H

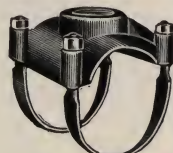


Plate 2875-H

WATER PIPE CLAMPS

Number	CLAMPS WILL FIT				Size of Wrought Iron Pipe Connections Tapped for, Inches	Price, Each	Number	CLAMPS WILL FIT				Size of Wrought Iron Pipe Connections Tapped for, Inches	Price, Each
	Outside Diameter of Circle, Inches	Size, Wrought Iron Pipe, Inches	Size, Outside Diameter Casing, Inches	Size, Cast Iron Pipe, Inches				Outside Diameter of Circle, Inches	Size, Wrought Iron Pipe, Inches	Size, Outside Diameter Casing, Inches	Size, Cast Iron Pipe, Inches		
0	1 7/8	1 1/2	2	....	1/2 and 3/4	1.00	19	6 5/8	6	6 5/8	....	3/4 to 1 1/2	2.25
1	2 1/8	2	2 1/2	....	1/2 to 1	1.00	20	6 5/8	6	6 5/8	....	2	2.50
2	2 3/8	2 1/2	2 3/4 & 3	2	1/2 to 1 1/4	1.25	21	6 5/8	6	6 5/8	....	2 1/2 and 3	5.00
3	3 1/2	3	3 1/2	....	1/2 to 1	1.25	22	7	....	7	6	3/4 to 1 1/2	2.50
4	3 3/2	3	3 1/2	....	1 1/4 to 2	1.50	23	7	....	7	6	2 1/2 and 3	5.00
5	4	3 1/2	4	3	1/2 to 1	1.50	24	7	....	7	6	3/4 to 1 1/2	2.70
6	4	3 1/2	4	3	1 1/4 to 2	1.75	25	7 5/8	7	7 5/8	....	2 1/2 and 3	5.00
7	4 1/2	4	4 1/2	....	1/2 to 1 1/2	1.75	26	7 5/8	7	7 5/8	....	3/4 to 1 1/2	2.50
8	4 1/2	4	4 1/2	....	2	2.00	27	7 5/8	7	7 5/8	....	2	2.70
9	4 1/2	4	4 1/2	....	2 1/2 and 3	4.00	28	8	....	8	7	2 1/2 and 3	5.00
10	5	4 1/2	5	4	3/4 to 1 1/2	1.80	29	8	....	8	7	3/4 to 1 1/2	4.50
11	5	4 1/2	5	4	2	2.15	30	8	....	8	7	2	5.00
12	5	4 1/2	5	4	2 1/2 and 3	4.00	30 1/2	8 5/8	8	8 5/8	....	2 1/2 and 3	5.50
13	5 1/2	5	5 1/2	....	3/4 to 1 1/2	1.80	31	8 5/8	8	8 5/8	....	3/4 to 1 1/2	5.50
14	5 1/2	5	5 1/2	....	2	2.15	32	8 5/8	8	8 5/8	....	2 to 3	5.50
15	5 1/2	5	5 1/2	....	2 1/2 and 3	4.00	33	9 5/8	9	....	....	4	6.00
16	6	....	6	5	1/2 to 1 1/2	2.00	34	10	....	10	9	1 1/2 to 3	8.00
17	6	....	6	5	2	2.40	35	10 3/4	10	....	....	3/4 to 2	9.00
18	6	....	6	5	2 1/2 and 3	4.50	36	12 3/4	12	....	....	3/4 to 2	9.00
												3/4 to 2	10.00

Always order water pipe clamps by number.

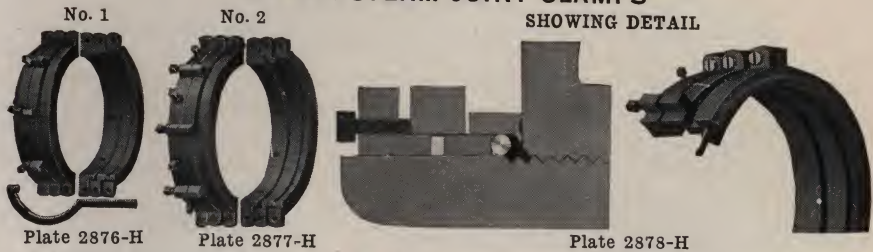
Sizes Nos. 33, 34 and 36 have malleable iron strap.

STEAM PIPE SADDLES

Size of Pipe...in.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2
Tapped for Pipe...in.	1/2 and 3/4	1/2 to 1 1/2	3/4 to 1 1/2	3/4 to 2	3/4 to 2	3/4 to 2	3/4 to 2
Price.....each	.90	1.00	1.25	1.25	1.40	1.50	2.50
Size of Pipe...in.	5	5	6	6	7	8	9
Tapped for Pipe...in.	3/4 to 2	2 1/2 and 3	3/4 to 2	2 1/2 to 4	1 to 4	1 to 4	1 1/2 to 4
Price.....each	2.75	2.75	2.75	5.75	6.50	6.50	8.50
Size of Pipe...in.	10	10	12	12	15	16	....
Tapped for Pipe...in.	1 1/2 to 4	4 1/2 to 6	1 1/2 to 4	4 1/2 to 6	3 to 6	3 to 6	....
Price.....each	10.00	10.00	14.00	14.00	22.00	25.00	....

CLAMPS

CLIMAX STEAM JOINT CLAMPS



Made in two styles, Nos. 1 and 2. No. 1 we recommend and ship, unless otherwise specified, for all sizes $\frac{1}{2}$ to $3\frac{1}{2}$ -inch, inclusive, as being the most convenient to use, or on larger sizes up to 12-inch, where there is limited space between fittings. The No. 2 we invariably ship, unless otherwise specified, for all sizes 4-inch and larger. It takes about 1 inch more space on the pipe than the No. 1 clamp, but can be easily operated by use of a small wrench. Made in halves held together by cap screws. Forces packing squarely into the threads making a permanent repair. Made of brass.

Size of Pipe, Inside Diameter ....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$
Price .....each	1.50	1.50	1.50	1.90	2.25	3.00	3.75	4.50	5.25
Size of Pipe, Inside Diameter ....inches	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
Price .....each	6.00	6.75	7.50	9.00	10.50	13.00	15.75	18.75	22.50
Size of Pipe, Outside Diameter ..inches	14	15	16	18	20	21	22	24	26
Price .....each	31.50	33.75	36.00	40.50	45.00	50.00	55.00	60.00	65.00

EMERGENCY PIPE CLAMPS

EXTRA HEAVY, FOR LARGE SIZES

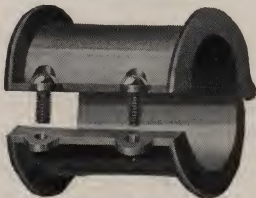
FOR $\frac{1}{2}$ TO 4-INCH PIPE

Plate 2879-H

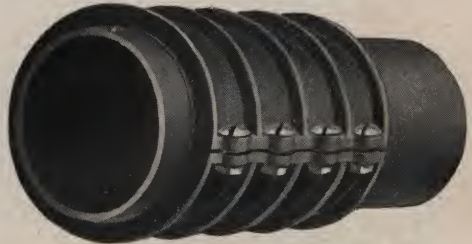


Plate 2880-H

Every stationary and marine engineer, plumber, janitor and steam fitter has occasion to use repairs of this kind, and should always have them on hand to use in emergency. They can be attached in a moment, and the use of them often saves valuable property. Made of malleable iron. Being compact, they are available for pipes close together, as in coils.

Size of Pipe .....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$
Length .....inches	$3\frac{1}{4}$	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	5	$5\frac{1}{2}$
Price .....each	.40	.45	.50	.60	.70	.80	1.00	1.25	1.50
Size of Pipe .....inches	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
Length .....inches	6	$6\frac{1}{2}$	7	8	9	$9\frac{1}{2}$	10	11	12
Number of Bolts	2	3	3	3	3	3	3	4	4
Price.....each	2.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00

Furnished complete with packing.

ROUGH BRASS FITTINGS

MALLEABLE IRON PATTERN, IRON PIPE THREAD

For Steam Working Pressure up to 125 Pounds

ELBOW



Plate 2881-H

TEE



Plate 2882-H

CROSS



Plate 2883-H

UNION



Plate 2884-H

Effective January 1, 1915

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Elbows, 90°	each	.12	.15	.20	.28	.40	.63	.90	1.20	2.00	3.50	6.00	8.00	10.00
“ Reducing	“	..	.19	.25	.35	.50	.80	1.10	1.50	2.50	4.25	7.50	10.00	12.50
“ 45°	“	.16	.20	.25	.31	.40	.63	.90	1.20	2.00	3.50	6.00	8.00	10.00
“ Street	“	.25	.27	.33	.48	.63	.85	1.50	2.00	3.25	6.00	10.00	....	....
Tees	“	.17	.21	.28	.40	.55	.85	1.25	1.70	2.80	5.00	8.50	11.00	14.00
“ Reducing	“	..	.25	.35	.50	.70	1.05	1.55	2.10	3.50	6.25	10.50	14.00	17.50
Crosses	“	.25	.30	.40	.55	.80	1.25	1.80	2.40	4.00	7.00	12.00	16.00	20.00
“ Reducing	“	..	.38	.50	.70	1.00	1.55	2.25	3.00	5.00	8.75	15.00	20.00	25.00
Couplings	“	.10	.13	.17	.25	.37	.55	.80	1.00	1.60	2.50	3.50	5.25	7.00
“ R. and L.	“	.13	.17	.22	.30	.45	.70	1.00	1.30	2.00	3.10	4.50	....	....
“ Reducing	“	..	.15	.20	.28	.40	.60	.90	1.10	1.75	2.75	4.00	6.00	8.00
Bushings, Regular	“	..	.10	.12	.15	.22	.35	.50	.70	1.00	1.50	2.50	3.75	5.00
“ Faced	“	..	.12	.15	.19	.27	.44	.62	.87	1.25	1.85	3.10	4.75	6.25
Plugs	“	.08	.10	.12	.15	.20	.30	.45	.60	.95	1.50	2.25	3.75	5.00
Caps	“	.10	.13	.16	.20	.30	.42	.60	.80	1.25	2.50	3.50	5.50	7.00
Locknuts	“	.10	.10	.12	.15	.20	.28	.40	.55	.80	1.75	2.75	4.00	5.00
Return Bends, Close .....	“	..	..	.55	.70	1.00	1.25	1.80	2.50	4.25	7.00	10.00	....	....
“ Open .....	“	..	..	.60	.80	1.10	1.40	2.15	3.00	4.75	8.25	11.00	....	....
“Y” Bends .....	“	..	..	.60	.75	1.10	1.65	2.50	3.30	5.50	9.50	16.00	21.00	26.00
Unions	“	.40	.50	.65	.85	1.15	1.60	2.25	2.70	4.00	7.50	11.50	20.00	27.00

Elbows tapped right and left-hand, add 25 per cent to list.

Right and left elbows, tees, crosses, reducers and bushings, reducing more than two sizes, add 25 per cent to list.

BRASS FITTINGS

MALLEABLE IRON PATTERN, IRON PIPE THREAD

For Steam Working Pressure up to 125 Pounds

Effective January 1, 1915

FINISHED

Size .....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Elbows, 90°.....each	.30	.35	.45	.56	.75	1.10	1.55	2.00	3.00	5.50	9.00	14.00	17.50
“ Reducing.. “	..	.44	.55	.70	.95	1.40	1.90	2.50	3.75	6.75	11.25	17.50	22.00
“ 45°..... “	.38	.45	.55	.66	.85	1.23	1.70	2.20	3.25	6.00	9.75	15.50	19.50
“ Street..... “	.47	.52	.63	.83	1.08	1.45	2.30	3.00	4.50	8.50	13.75	....	....
Tees..... “	.42	.49	.63	.80	1.05	1.50	2.15	2.80	4.20	7.75	12.75	19.50	24.50
“ Reducing..... “	..	.60	.77	1.00	1.30	1.85	2.65	3.50	5.25	9.75	15.80	24.50	30.50
Crosses..... “	.60	.70	.90	1.10	1.50	2.20	3.10	4.00	6.00	11.00	18.00	28.00	35.00
“ Reducing... “	..	.88	1.10	1.40	1.85	2.75	3.85	5.00	7.50	13.75	22.50	35.00	44.00
Couplings..... “	.24	.28	.36	.46	.63	.90	1.30	1.60	2.35	4.00	5.75	9.75	12.50
“ R. and L. “	.31	.37	.47	.58	.80	1.15	1.65	2.10	3.00	5.10	7.50	....	....
“ Reducing “	..	.35	.45	.56	.75	1.05	1.55	1.90	2.75	4.75	7.00	12.00	15.50
Bushings, Regular. “	..	.22	.27	.35	.47	.70	1.00	1.40	2.00	3.00	4.50	6.25	8.00
Plugs..... “	.23	.30	.37	.43	.55	.75	1.00	1.30	1.95	3.00	4.25	6.25	8.00
Caps..... “	.20	.25	.31	.40	.55	.77	1.10	1.50	2.25	4.00	5.50	8.00	10.00
Locknuts..... “	.24	.25	.32	.40	.50	.65	.85	1.10	1.60	3.25	4.75	6.50	8.00
Return Bends, Close..... “	..	....	1.30	1.55	2.05	2.65	3.75	4.90	7.25	13.00	19.00	....	....
“ “ Open..... “	..	....	1.35	1.65	2.15	2.80	4.10	5.40	7.75	14.25	20.00	....	....
“Y” Bends..... “	..	....	1.35	1.60	2.15	3.05	4.45	5.70	8.50	15.50	25.00	33.00	41.00
Unions..... “	.50	.60	.85	1.05	1.40	1.90	2.75	3.25	5.00	9.00	14.00	25.00	33.00

NICKEL-PLATED

Size .....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Elbows, 90°.....each	.36	.42	.53	.65	.87	1.25	1.75	2.25	3.35	6.15	10.00	16.00	20.00
“ Reducing.. “	..	.52	.65	.82	1.10	1.60	2.15	2.85	4.15	7.60	12.50	20.00	25.00
“ 45°..... “	.45	.53	.65	.78	1.00	1.43	1.95	2.55	3.65	6.85	11.00	18.00	22.50
“ Street..... “	.54	.60	.73	.95	1.23	1.65	2.55	3.35	4.90	9.35	15.00	....	....
Tees..... “	.50	.58	.75	.93	1.22	1.70	2.45	3.15	4.65	8.65	14.00	22.30	28.00
“ Reducing..... “	..	.72	.90	1.15	1.50	2.10	3.00	3.95	5.85	10.90	17.50	28.00	35.00
Crosses..... “	.72	.84	1.05	1.30	1.75	2.50	3.50	4.50	6.70	12.30	20.00	32.00	40.00
“ Reducing... “	..	1.05	1.30	1.65	2.15	3.15	4.35	5.70	8.30	15.40	25.00	40.00	50.00
Couplings..... “	.29	.33	.42	.53	.72	1.00	1.45	1.80	2.60	4.50	6.50	11.25	14.25
“ R. and L. “	.37	.44	.55	.67	.92	1.30	1.85	2.35	3.35	5.75	8.50	....	....
“ Reducing “	..	.42	.53	.65	.87	1.20	1.75	2.15	3.10	5.40	8.00	14.00	18.00
Bushings, Regular. “	..	.26	.32	.42	.55	.82	1.15	1.65	2.35	3.50	5.15	7.10	9.00
Plugs..... “	.28	.37	.45	.52	.67	.90	1.20	1.55	2.30	3.50	4.90	7.10	9.00
Caps..... “	.23	.29	.36	.47	.63	.89	1.25	1.75	2.60	4.50	6.15	8.85	11.00
Locknuts..... “	.29	.30	.39	.48	.60	.77	1.00	1.30	1.85	3.75	5.40	7.35	9.00
Return Bends, Close..... “	..	....	1.55	1.85	2.40	3.10	4.40	5.70	8.25	15.00	22.00	....	....
“ “ Open..... “	..	....	1.60	1.95	2.50	3.25	4.75	6.20	8.75	16.25	23.00	....	....
“Y” Bends..... “	..	....	1.60	1.90	2.50	3.50	5.10	6.50	9.50	17.50	28.00	37.00	46.00
Unions..... “	.60	.72	1.02	1.26	1.68	2.28	3.30	3.90	6.00	10.80	16.80	30.00	39.60

Elbows tapped right and left-hand, add 25 per cent to list.

Right and left elbows, tees, crosses, reducers and bushings, reducing more than two sizes, add 25 per cent to list.

BRASS FITTINGS, ETC.

NIPPLES, IRON PIPE SIZE

CLOSE



Plate 2889-H

LONG



Plate 2890-H

Table 2850-II

Size Inches	Length Close Inches	LENGTH, INCHES										
		Close	1½	2	2½	3	3½	4	4½	5	5½	6
1/8	3/4	.11	.13	.15	.17	.19	.21	.23	.25	.27	.29	.31
1/4	7/8	.13	.16	.19	.22	.25	.28	.31	.34	.37	.40	.43
3/8	1	.15	.19	.23	.27	.31	.35	.39	.43	.47	.51	.55
1/2	1 1/8	.23	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70
3/4	1 3/8	.28	....	.35	.42	.49	.56	.63	.70	.77	.84	.91
1	1 1/2	.37	....	.44	.53	.62	.71	.80	.89	.98	1.07	1.16
1 1/4	1 5/8	.60	....	....	.75	.88	1.01	1.14	1.27	1.40	1.53	1.66
1 1/2	1 3/4	.70	....	....	.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95
2	2	1.00	....	....	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60
2 1/2	2 1/2	1.70	....	....	....	2.00	2.30	2.60	2.90	3.20	3.50	3.80
3	2 1/2	2.50	....	....	....	2.90	3.30	3.70	4.10	4.50	4.90	5.30
3 1/2	2 3/4	4.00	....	....	....	....	....	5.40	6.00	6.60	7.20	7.80
4	3	4.75	....	....	....	....	....	6.15	6.85	7.55	8.25	8.95
4 1/2	3	5.50	....	....	....	....	....	7.20	8.05	8.90	9.75	10.60
5	3 1/2	8.50	....	....	....	....	....	....	10.60	11.65	12.70	13.75
6	3 1/2	11.50	....	....	....	....	....	....	14.10	15.40	16.70	18.00

Polished brass nipples, longer than close, 25 per cent extra.

TABLE OF LENGTHS OF CLOSE AND SHORT NIPPLES

Size.....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4
Length, Close.....inches	3/4	7/8	1	1 1/8	1 3/8	1 1/2	1 5/8
“ Short.....“	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2 1/2
“ Shoulder.....“	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2 1/2
Size.....inches	1 1/2	2	2 1/2	3	3 1/2	4	.....
Length, Close.....inches	1 3/4	2	2 1/2	2 1/2	2 3/4	3	.....
“ Short.....“	2 1/2	2 1/2	3	3	4	4	.....
“ Shoulder.....“	2 1/2	2 1/2	3	3	4	4	.....

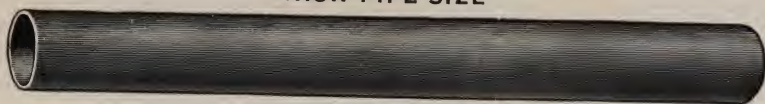
SEAMLESS BRASS TUBING
IRON PIPE SIZE

Plate 2891-H

Extras over Base Prices

Iron Pipe Size.....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Approx. Wt. per Foot....pounds	.25	.43	.62	.9	1.25	1.7	2.5	3	4
Price.....per pound	.08	.07	.02	.01	BASE PRICE				
Iron Pipe Size.....inches	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Approx. Wt. per Foot....pounds	5.75	8.3	10.9	12.7	13.9	15.75	18.31	26.28	29.88
Price.....per pound	BASE PRICE		.01	.02	.04	.06	.07	.09	.11

Stock lengths, 12 feet.

STANDARD BRASS VALVES

WITH BRASS DISC

GLOBE



Plate 2907-H

ANGLE



Plate 2908-H

CROSS

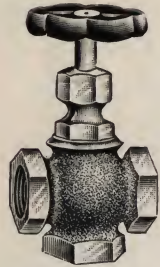


Plate 2909-H

GLOBE, ANGLE AND CROSS VALVES—Screwed

Size .....inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Globe or Angle...each	.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40
Cross..... "	...	1.25	1.25	1.50	2.00	2.50	3.50	5.00	8.00	16.00	24.00

GLOBE AND ANGLE VALVES—Flanged

Size .....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price.....each	5.00	6.75	8.50	10.50	16.00	23.00	35.00	50.00	70.00
Diam. of Flanges...inches	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	$7\frac{1}{2}$	$8\frac{1}{2}$	9

CHECK VALVES

HORIZONTAL

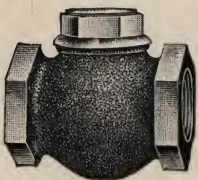


Plate 2910-H

ANGLE



Plate 2911-H

VERTICAL



Plate 2912-H

SWINGING



Plate 2913-H

HORIZONTAL, ANGLE, AND VERTICAL CHECK VALVES

Screwed

Size .....inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Horizontal.....each	.65	.65	.70	.90	1.15	1.60	2.25	3.15	4.75	9.00	13.00
Angle or Vertical " .....	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40	
Swinging Check " .....	.....	.....	1.80	2.00	2.25	2.80	3.65	4.75	6.75	15.00	24.00

HORIZONTAL CHECK VALVES

Flanged

Size .....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price.....each	4.90	6.50	8.25	10.15	15.50	22.00	33.50	47.50	66.50
Diameter of Flanges.....inches	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	$7\frac{1}{2}$	$8\frac{1}{2}$	9

STANDARD BRASS VALVES WITH JENKINS DISC

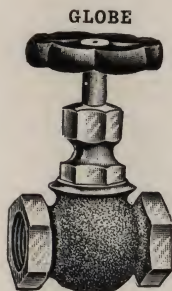


Plate 2914-H



Plate 2915-H



Plate 2916-H

GLOBE, ANGLE, AND CROSS VALVES—Screwed

Size..... inches	$\frac{1}{8}$ — $\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, Globe and Angle..... each	1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00
“ Cross..... “	1.70	2.00	2.25	2.50	3.25	4.75	6.25	9.50	20.00	27.50

GLOBE, ANGLE, AND CROSS VALVES—Flanged

Size..... inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, Globe and Angle..... each	5.00	6.00	9.00	11.00	16.50	25.00	34.00
“ Cross..... “	8.00	9.00	12.00	15.00	23.00	33.00	44.00

GLOBE AND ANGLE VALVES—With Wood Wheel

Size..... inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough Body, Plain..... each	2.00	2.50	3.20	4.50	6.25	10.50
“ “ “ Nickel Plated all over. “	2.40	2.90	3.60	4.90	6.65	10.90
“ Finished all over..... “	2.50	3.00	3.75	5.25	7.25	11.75
“ “ and Nickel Plated all over. “	2.90	3.40	4.15	5.65	7.65	12.15

GLOBE AND ANGLE VALVES—With Finished Brass Wheel

Size..... inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Finished all over..... each	3.50	4.00	4.75	6.50	8.50	13.00
“ “ and Nickel Plated all over. “	4.15	4.65	5.40	7.15	9.15	13.65

HORIZONTAL



Plate 2917-H

CHECK VALVES

ANGLE



Plate 2918-H

HORIZONTAL OR ANGLE—Screwed

Size..... inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price..... each	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	21.00

HORIZONTAL OR ANGLE—Flanged

Size..... inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price..... each	4.00	5.00	6.00	8.00	10.00	15.00	23.00	32.00

JENKINS BROS. BRASS VALVES

GLOBE

FLANGED

ANGLE
SCREWED

CROSS
SCREWED



Plate 2919-H



Plate 2920-H



Plate 2921-H



Plate 2922-H

STANDARD PATTERN—For 150 Pounds Pressure

Size.....inches	1/8	1/4	3/8	1/2	3/4	1
Price, Globe or Angle, Screwed.....each	1.10	1.10	1.25	1.60	2.20	2.80
“ “ “ Flanged..... “	....	3.50	4.00	4.00	5.00	6.00
“ Cross, Screwed..... “	....	1.70	2.00	2.25	2.50	3.25
“ “ Flanged..... “	....	....	....	7.00	8.00	9.00

Size.....inches	1 1/4	1 1/2	2	2 1/2	3	....
Price, Globe or Angle, Screwed.....each	4.00	5.50	8.75	15.75	22.00	....
“ “ “ Flanged..... “	9.00	11.00	16.50	25.00	34.00	....
“ Cross, Screwed..... “	4.75	6.25	9.50	20.00	27.50	....
“ “ Flanged..... “	12.00	15.00	23.00	33.00	44.00	....

EXTRA HEAVY PATTERN, GLOBE OR ANGLE—For 300 Pounds Pressure

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed..each	3.00	3.50	4.00	5.00	6.50	8.25	11.00	16.00	33.00	45.00
“ Flanged.. “	....	....	6.00	7.50	10.00	13.00	17.00	24.00	43.00	57.00

JENKINS DISCS
NEW STYLE

OLD STYLE



Plate 2923-H



Plate 2924-H

STEAM METAL

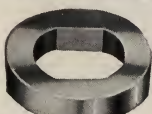


Plate 2925-H

STANDARD—For 150 Pounds Pressure

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2
Price.....each	.03	.04	.04	.05	.06	.09	.12	.18	.24	.40	.50	.60	.70
Size.....inches	5	6	7	8	9	10	12	14	16	18	20	22	24
Price.....each	.80	1.00	1.20	1.40	1.80	2.25	2.50	3.50	4.00	5.00	6.00	7.50	9.00

STEAM METAL DISCS—For Extreme Pressure

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price.....each	.14	.14	.16	.20	.22	.28	.30	.34	.60	.85	1.35
Size.....inches	4	4 1/2	5	6	7	8	9	10	12	14	....
Price.....each	1.60	2.00	2.30	2.60	3.70	4.00	5.25	5.60	7.30	9.80	....

JENKINS BROS. BRASS CHECK VALVES

Standard Pattern, for 150 Pounds Pressure

**HORIZONTAL
SCREWED**

Plate 2926-H

**HORIZONTAL
FLANGED**

Plate 2927-H

**ANGLE
SCREWED**

Plate 2928-H

STANDARD PATTERN, HORIZONTAL, ANGLE OR VERTICAL—SCREWED

Size .inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price..each	1.10	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	21.00

STANDARD PATTERN, HORIZONTAL, ANGLE OR VERTICAL—FLANGED

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price.....each	4.00	5.00	6.00	8.00	10.00	15.00	23.00	32.00

EXTRA HEAVY PATTERN, HORIZONTAL OR ANGLE

For 300 Pounds Pressure

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed.....each	3.00	3.50	4.50	6.00	7.50	11.50	24.00	34.00
“ Flanged.....“	5.00	6.50	8.50	11.00	14.00	20.00	34.00	46.00

SWING CHECK VALVES

NEW STYLE STANDARD PATTERN

FLANGED**SCREWED**

Plate 2929-H



Plate 2930-H

**EXTRA HEAVY
SCREWED**

Plate 2931-H

NEW STYLE STANDARD PATTERN—SCREWED

Size.....inches	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price.....each	1.20	1.30	1.90	2.60	3.60	5.00	7.50	14.00	21.00

NEW STYLE STANDARD PATTERN—FLANGED

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price.....each	4.00	5.00	6.00	8.00	10.00	15.00	23.00	33.00

EXTRA HEAVY PATTERN

For 300 Pounds Pressure

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed.....each	3.00	3.50	4.50	5.50	7.75	10.75	18.00	26.00
“ Flanged.....“	9.00	10.50	13.50	16.50	19.50	27.00	45.00	65.00

LUNKENHEIMER REGRINDING BRONZE VALVES

Medium Pattern, for 200 Pounds Working Pressure

Extra Heavy Pattern, for 300 Pounds Working Pressure



Plate 2932-H



Plate 2933-H

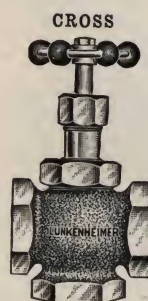


Plate 2934-H

The large sale of Lunkenheim Regrinding Valves has demonstrated that steam users appreciate the fact that it is possible to secure in them a reliable valve, which can be repaired without disconnecting pipes or incurring any expense other than the slight labor involved in regrinding the seating surfaces. When a steam user installs Lunkenheim Valves the expense ends with the purchase of the articles. This is not true with valves in which to secure a new seat bearing it is necessary to purchase extra parts; therefore, as a matter of economy, the first cost of Lunkenheim Valves should not be the principal consideration.

The expense of disconnecting pipes and taking out defective valves is many times more than the cost of a good article, which, if installed in the first place, would render such expense unnecessary. Therefore, when installing pipe systems, it will be found better to purchase Lunkenheim Valves rather than the common grades.

MEDIUM PATTERN—SCREWED

Size.....inches	$\frac{1}{8}$, $\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, Globe or Angle, each	.70	.85	1.15	1.45	2.00	2.80	3.90	6.20	12.00	16.50	30.00	40.00
“ Cross..... “	1.00	1.00	1.50	2.00	2.70	3.50	5.10	8.00	16.00	24.00	38.00	50.00

MEDIUM PATTERN—FLANGED

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, Globe or Angle...each	2.80	3.40	4.70	5.80	8.00	11.00	14.50	24.00	29.00	45.00	63.00
“ Cross..... “	3.80	5.10	7.00	8.40	12.00	15.00	20.50	32.00	40.00	58.00	80.00

EXTRA HEAVY PATTERN—SCREWED

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, Globe or Angle....each	.90	1.10	1.50	2.30	3.60	5.10	7.10	10.90	19.50	29.00	42.30	53.90
“ Cross..... “	1.20	1.30	1.90	2.90	4.50	6.30	8.60	13.10	23.40	34.50	50.40	63.60

EXTRA HEAVY PATTERN—FLANGED

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, Globe or Angle.. each	2.50	4.10	5.80	7.60	11.00	14.00	20.00	32.00	44.00	60.00	74.00
“ Cross..... “	3.50	5.90	8.20	10.50	14.50	19.00	27.00	43.00	57.00	77.00	94.00

LUNKENHEIMER REGRINDING BRONZE CHECK VALVES

Medium Pattern, for 200 Pounds Working Pressure
Extra Heavy, for 300 Pounds Working Pressure

HORIZONTAL



Plate 2935-H

ANGLE



Plate 2936-H

VERTICAL



Plate 2937-H

MEDIUM PATTERN—For 200 Pounds Working Pressure

Size .....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed.....each	.50	.50	.60	.85	1.15	1.55	2.30	3.25	5.20	10.00	14.00
“ Flanged .... “	...	...	1.90	3.00	4.30	5.20	7.30	9.70	13.30	18.20	25.80

Can also be furnished in 3 1/2 and 4-inch sizes.

EXTRA HEAVY—For 300 Pounds Working Pressure

Size .....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed.....each	.90	1.00	1.20	1.70	2.80	3.90	5.50	8.90	16.20	24.30
“ Flanged..... “	...	2.20	3.70	5.20	6.80	9.40	12.70	18.10	29.00	39.10

Can also be furnished in 3 1/2 and 4-inch sizes.

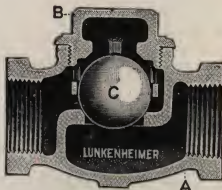
BALL
SECTIONAL

Plate 2938-H

SECTIONAL

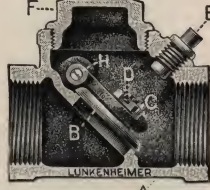


Plate 2939-H

SWING

EXTERIOR

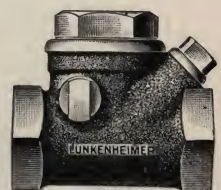


Plate 2940-H

BALL CHECKS—HORIZONTAL, ANGLE OR VERTICAL MEDIUM PATTERN—For 200 Pounds Working Pressure

Size .....inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price .....each	.85	.95	1.10	1.60	2.30	3.50	5.30	7.50	11.50	18.00	27.00
“ Horiz., with Drain Cock “	...	...	1.50	2.00	2.70	3.90	5.70	7.90	11.90	18.50	27.50

When ordering, be sure to specify whether horizontal, angle or vertical is wanted.

SWING CHECKS

MEDIUM PATTERN—For 200 Pounds Working Pressure

Size .....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed.....each	1.25	1.25	1.30	1.75	2.25	3.25	4.25	6.25	11.50	16.00
“ Flanged..... “	...	2.60	2.90	3.60	4.90	7.20	9.20	12.30	18.50	26.80

EXTRA HEAVY—For 300 Pounds Working Pressure

Size .....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Screwed.....each	2.00	2.10	2.20	2.90	4.00	5.60	7.50	11.00	18.30	28.30
“ Flanged..... “	...	3.40	4.00	4.90	6.60	9.50	12.50	16.80	25.30	37.00

STANDARD IRON BODY VALVES

BRASS MOUNTED
SCREWED

GLOBE

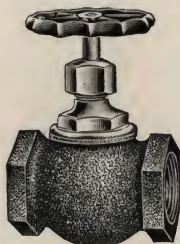


Plate 2941-H

ANGLE



Plate 2942-H

CROSS

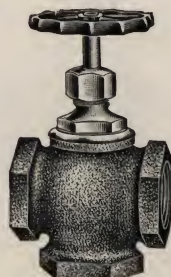


Plate 2943-H

Size.....	inches	1	1¼	1½	2	2½	3
Price, Globe or Angle.....	each	2.25	2.75	3.50	5.40	7.35	9.80
“ Cross.....	“	....	....	....	6.50	9.00	12.50

FLANGED

GLOBE

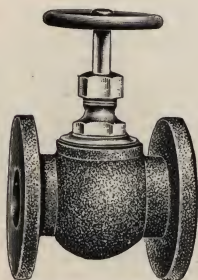


Plate 2944-H

ANGLE



Plate 2945-H

CROSS

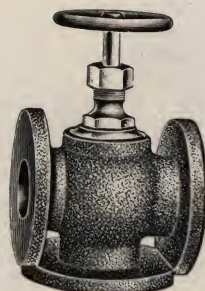


Plate 2946-H

Size	inches	2	2½	3
Price, Globe or Angle.....	each	7.00	9.00	12.50
“ Cross.....	“	9.00	11.75	16.50
Diameter of Flanges	inches	6	7	7½

ALL IRON VALVES, SCREWED

Size.....	inches	½	¾	1	1¼	1½	2	2½	3
Price, Globe or Angle	each	3.60	3.85	5.70	6.00	6.60	7.50	9.40	12.50

Specify clearly when all iron valves are wanted.

Standard iron body valves are suitable for steam working pressure up to 125 pounds.

STANDARD IRON BODY VALVES

BRASS MOUNTED, WITH YOKE

SCREWED

GLOBE

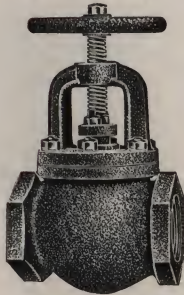


Plate 2947-H

ANGLE



Plate 2948-H

CROSS

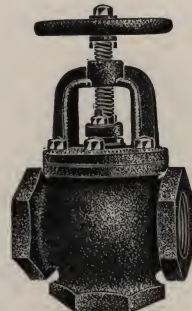


Plate 2949-H

Size.....inches	2	2½	3	3½	4	4½
Price, Globe or Angle.....each	7.00	9.00	12.50	15.25	19.00	24.00
“ Cross.....“	8.50	11.75	16.25	20.00	23.50	30.65
Size.....inches	5	6	7	8	10	12
Price, Globe or Angle.....each	27.00	37.50	63.00	72.00	114.00	170.00
“ Cross.....“	35.25	47.25	78.00	92.00	162.00	240.00

GLOBE

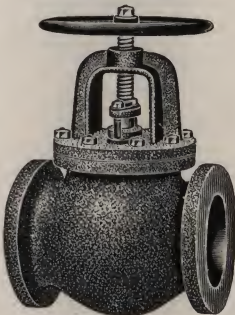


Plate 2950-H

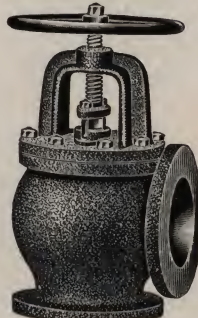
FLANGED
ANGLE

Plate 2951-H

CROSS

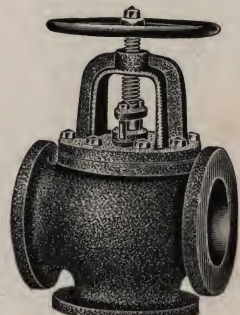


Plate 2952-H

Size.....inches	2	2½	3	3½	4	4½	5	6
Price, Globe or Angle.....each	8.60	10.75	15.00	18.50	22.50	27.50	31.00	42.00
“ Cross.....“	11.00	14.50	20.00	25.00	28.50	36.00	41.00	54.00
Diameter of Flanges.....inches	6	7	7½	8½	9	9 ¼	10	11
Size.....inches	7	8	10	12	14	15	16	.....
Price, Globe or Angle.....each	68.00	77.00	123.00	187.00	350.00	.....	475.00	.....
“ Cross.....“	85.00	100.00	175.00	265.00	.....	.....	.....	.....
Diameter of Flanges.....inches	12½	13½	16	19	21	22¼	23½	.....

All iron valves made to order at special prices.

Standard iron body valves are suitable for a steam working pressure up to 125 pounds.

STANDARD IRON BODY CHECK VALVES

For 125 Pounds Working Pressure

SCREWED

HORIZONTAL



Plate 2953-H

VERTICAL



Plate 2954-H

SWING

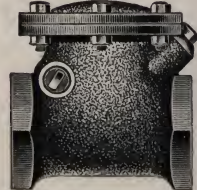


Plate 2955-H

Size . . . inches	2	2½	3	3½	4	4½	5	6	7	8	10	12
Price, Horizontal, each	3.60	6.50	8.90	12.25	14.25	19.00	22.00	30.00	.....	.....	.....	.....
“ Vertical... “	.....	9.50	12.50	17.00	21.00	30.00	33.00	40.00	.....	.....	.....	.....
“ Swing . . “	.....	12.00	13.50	17.50	20.00	26.00	30.00	36.00	55.00	70.00	110.00	160.00

FLANGED

HORIZONTAL



Plate 2956-H

VERTICAL



Plate 2957-H

SWING

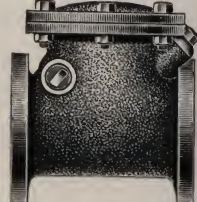


Plate 2958-H

HORIZONTAL

Size inches	3	4	5	6	7	8	10	12	14	15
Diameter of Flanges, inches	7½	9	10	11	12½	13½	16	19	21	22¼
Price each	11.50	18.00	26.00	35.00	50.00	62.00	115.00	175.00	300.00	.....

VERTICAL

Size inches	6	7	8	10
Diameter of Flanges inches	11	12½	13½	16
Price each	45.00	67.00	78.00	135.00

SWING

Size inches	2½	3	3½	4	4½	5	6	7	8
Diameter of Flanges . . . inches	7	7½	8½	9	9¼	10	11	12½	13½
Price, Flanged . . . each	14.50	17.00	21.00	24.00	30.00	34.00	41.00	60.00	75.00
“ Hub End.. “	.....	19.00	.....	27.00	.....	38.00	45.00	.....	82.50
Size inches	10	12	14	15	16	18	20	24	30
Diameter of Flanges . . . inches	16	19	21	22¼	23½	25	27½	32	38¾
Price, Flanged . . . each	115.00	168.00	340.00	400.00	450.00	600.00	700.00	1000.00	1650.00
“ Hub End.. “	125.00	185.00	340.00	.....	450.00	600.00	700.00	1000.00	1650.00

STANDARD IRON BODY VALVES

WITH JENKINS DISC
BRASS MOUNTED

GLOBE

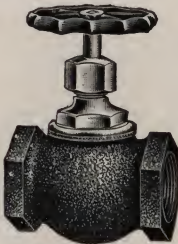


Plate 2959-H

ANGLE



Plate 2960-H

Size	inches	2	2½	3
Price, Globe or Angle, Screwed	each	7.25	11.00	16.00
“ “ “ “ Flanged	“	8.50	13.00	18.00

WITH YOKE

GLOBE



Plate 2961-H

ANGLE



Plate 2962-H

Size	inches	2½	3	3½	4	4½	5
End to End, Screwed, Globe	inches	8	8¼	9½	10½	11¼	12¼
Face “ Face, Flanged, “	“	9½	10	11	12	13	13¾
Center to End, Screwed, Angle	“	4	4½	4¾	5¼	5⅝	6⅛
“ “ Face, Flanged, “	“	4¾	5	5½	6	6½	6⅞
Diameter of Flanges	“	7	7½	8½	9	9¼	10
Price, Globe or Angle, Screwed	each	12.00	16.75	19.50	24.00	32.00	40.00
“ “ “ “ Flanged	“	14.00	18.50	21.50	26.00	34.00	42.00

Size	inches	6	7	8	10	12	..
End to End, Screwed, Globe	inches	14	17	18½	22½	25½	....
Face “ Face, Flanged, “	“	16	17	18½	22½	25½	....
Center to End, Screwed, Angle	“	7	8½	9¼	11¼	12¾	....
“ “ Face, Flanged, “	“	8	8½	9¼	11¼	12¾	....
Diameter of Flanges	“	11	12½	13½	16	19	....
Price, Globe or Angle, Screwed	each	48.00	80.00	90.00	130.00	185.00	....
“ “ “ “ Flanged	“	50.00	80.00	90.00	130.00	185.00	....

JENKINS BROS. IRON BODY CHECK VALVES**HORIZONTAL, ANGLE AND VERTICAL CHECK VALVES****HORIZONTAL
SCREWED**

Plate 2969-H

**ANGLE
SCREWED**

Plate 2970-H

STANDARD PATTERN
For 150 Pounds Working Pressure

Size.....inches	2	2½	3	3½	4	4½	5	6	7	8
Diameter of Flanges...inches	6	7	7½	8½	9	9¼	10	11	12½	13½
Price, Screwed.....each	8.00	11.00	14.00	17.00	20.00	25.00	30.00	40.00	65.00	80.00
" Flanged....."	10.00	13.00	16.50	20.00	23.00	28.00	33.00	43.00	65.00	80.00

EXTRA HEAVY PATTERN

For 250 Pounds Working Pressure, Horizontal or Angle

Size.....inches	2	2½	3	3½	4	4½	5	6
Diameter of Flanges.....inches	6½	7½	8¼	9	10	10½	11	12½
Price, Screwed.....each	15.00	17.00	21.00	26.00	34.00	38.00	46.00	65.00
" Flanged....."	16.00	19.00	23.00	28.00	36.00	40.00	48.00	67.00

SWING CHECK VALVES**STANDARD
SCREWED**

Plate 2971-H

**STANDARD
FLANGED**

Plate 2972-H

**EXTRA HEAVY
SCREWED**

Plate 2973-H

STANDARD PATTERN
For 150 Pounds Working Pressure

Size.....inches	2	2½	3	3½	4	5	6	8	10
Diameter of Flanges.....inches	6½	7	7½	8½	9	10	11	13½	16
Price, Screwed.....each	12.00	12.00	16.00	19.00	23.00	33.00	44.00	92.00	146.00
" Flanged....."	.....	14.00	18.00	21.00	25.00	36.00	47.00	92.00	146.00

EXTRA HEAVY PATTERN

For 250 Pounds Working Pressure

Size.....inches	2	2½	3	4
Diameter of Flanges.....inches	6½	7½	8¼	10
Price, Screwed.....each	26.00	33.00	37.00	46.00
" Flanged....."	27.00	35.00	40.00	50.00

LUNKENHEIMER IRON BODY VALVES

For Working Pressures up to 125 Pounds

BRONZE MOUNTED

GLOBE



Plate 2974-H

ANGLE



Plate 2975-H

Size	1	1 1/4	1 1/2	2	2 1/2	3
Price, Globe or Angle, Screwed.....each	2.50	3.50	4.40	6.10	8.70	12.50
“ “ “ Flanged..... “	3.50	4.60	5.70	7.70	10.50	15.20
“ Cross, Screwed..... “	3.00	4.00	5.10	7.25	10.50	15.00
“ “ Flanged..... “	4.25	5.50	6.70	9.70	13.50	19.20

OUTSIDE SCREW AND YOKE

GLOBE



Plate 2976-H

ANGLE



Plate 2977-H

CROSS

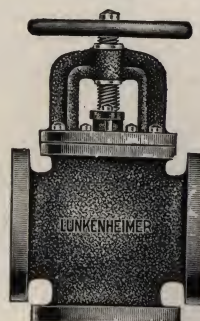


Plate 2978-H

Size	2	2 1/2	3	3 1/2	4	4 1/2
Price, Globe or Angle, Screwed.....each	8.40	11.00	14.00	18.00	22.00	26.00
“ “ “ Flanged..... “	10.00	12.50	17.00	20.50	25.00	30.00
“ Cross, Screwed..... “	10.00	14.00	18.00	23.00	27.00	32.00
“ “ Flanged..... “	12.50	16.50	22.00	27.00	31.00	38.50

Size	5	6	7	8	10	12
Price, Globe or Angle, Screwed.....each	35.00	43.00	63.00	82.00	125.00	170.00
“ “ “ Flanged..... “	36.00	47.00	68.00	85.00	130.00	187.00
“ Cross, Screwed..... “	43.00	53.00	78.00	105.00	175.00	240.00
“ “ Flanged..... “	46.00	59.00	85.00	110.00	182.00	265.00

LUNKENHEIMER GLOBE, ANGLE AND CROSS VALVES

IRON BODY BRONZE MOUNTED

Heavy Pattern, for 175 Pounds Working Pressure

Extra Heavy Pattern, for 250 Pounds Working Pressure



Plate 2979-H



Plate 2980-H



Plate 2981-H

HEAVY PATTERN

For 175 Pounds Working Pressure

Size.....inches	2	2½	3	3½	4	4½
Price, Globe or Angle, Screwed.....each	8.40	11.00	14.00	18.00	22.00	26.00
“ “ “ Flanged.....“	12.40	15.25	20.00	24.00	28.50	34.50
“ Cross, Screwed.....“	10.00	14.00	18.00	23.00	27.00	32.00
“ “ Flanged.....“	16.00	20.25	26.50	32.00	36.50	44.50
Size.....inches	5	6	7	8	10	12
Price, Globe or Angle, Screwed.....each	35.00	43.00	63.00	82.00	125.00	170.00
“ “ “ Flanged.....“	41.00	53.00	75.00	93.00	137.00	200.00
“ Cross, Screwed.....“	43.00	53.00	78.00	105.00	175.00	240.00
“ “ Flanged.....“	53.00	68.00	95.00	118.00	197.00	280.00

EXTRA HEAVY PATTERN

For 250 Pounds Working Pressure

Size.....inches	2	2½	3	3½	4	4½
Diameter of Flanges.....inches	6½	7½	8¼	9	10	10½
Face to Face, Globe.....“	9¼	11½	12½	13½	14	15
Center to Face, Angle or Cross.....“	4⅞	5¾	6¼	6¾	7	7½
Price, Globe or Angle, Screwed.....each	29.00	33.00	37.00	46.00	55.00	62.00
“ Cross, Screwed.....“	35.00	40.00	45.00	54.00	64.00	72.00
“ Globe or Angle, Flanged.....“	31.00	35.00	40.00	51.00	59.00	67.00
“ Cross, Flanged.....“	38.00	43.00	50.00	61.00	69.00	78.00
Size.....inches	5	6	7	8	10	.....
Diameter of Flanges.....inches	11	12½	14	15	17½	.....
Face to Face, Globe.....“	15¾	17½	19¼	21¾	25¾	.....
Center to Face, Angle or Cross.....“	7⅞	8¾	9⅝	10½	12¼	.....
Price, Globe or Angle, Screwed.....each	75.00	93.00	130.00	175.00	280.00	.....
“ Cross.....“	90.00	115.00	155.00	205.00	330.00	.....
“ Globe or Angle, Flanged.....“	78.00	100.00	140.00	185.00	290.00	.....
“ Cross, Flanged.....“	93.00	120.00	165.00	215.00	340.00	.....

LUNKENHEIMER IRON BODY CHECK VALVES

BRONZE MOUNTED—MEDIUM PATTERN

For 125 Pounds Working Pressure

HORIZONTAL



Plate 2982-H

ANGLE



Plate 2983-H

Made of the very highest grade of material, the iron being hard and close grained, while the bronze is of the very best composition. The disc is made of bronze on sizes up to 10-inch, inclusive, and of iron with a bronze face ring on the 12-inch size. Being guided at the top and bottom, the disc will at all times seat perfectly. These valves can be reground without being removed from the pipe.

Size ....inches	2	2½	3	3½	4	4½	5	6	7	8	10	12
Price .....each	5.70	7.50	10.00	15.00	16.50	20.00	27.00	34.00	47.00	67.00	105.00	155.00

FLANGED

HORIZONTAL



Plate 2984-H

ANGLE



Plate 2985-H

Size ....inches	2	2½	3	3½	4	4½	5	6	7	8	10	12
Price .....each	7.30	9.10	12.50	17.00	19.00	23.00	29.00	38.00	52.00	72.00	115.00	175.00

REGROUNDING SWING CHECK VALVES

SCREWED



Plate 2986-H

FLANGED

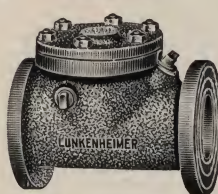


Plate 2987-H

Size.....inches	2	2½	3	3½	4	4½	5	6	8
Price, Screwed .....each	8.30	10.50	12.00	16.00	20.00	24.50	27.50	33.00	72.00
“ Flanged.....“	9.70	12.00	15.00	20.00	25.00	30.00	36.00	48.00	80.00

LUNKENHEIMER IRON BODY CHECK VALVES

BRONZE MOUNTED

Heavy Pattern, for 175 Pounds Working Pressure
Extra Heavy Pattern, for 250 Pounds Working Pressure

HORIZONTAL



Plate 2988-H

ANGLE



Plate 2989-H

HEAVY PATTERN, HORIZONTAL AND ANGLE

For 175 Pounds Working Pressure

Size.....inches	2	2½	3	3½	4	4½	5	6	7	8	10	12
Screwed ..each	5.70	7.50	10.00	15.00	16.50	20.00	27.00	34.00	47.00	67.00	105.00	155.00
Flanged .. "	9.50	12.00	16.00	20.50	23.00	28.00	34.00	44.00	60.00	80.00	130.00	190.00

EXTRA HEAVY PATTERN, HORIZONTAL AND ANGLE

For 250 Pounds Working Pressure

Size...inches	2	2½	3	3½	4	4½	5	6	7	8	10	12
Screwed, each	23.00	26.50	29.50	34.00	42.00	47.00	57.00	71.00	96.00	125.00	200.00	260.00
Flanged "	25.00	28.00	32.00	36.00	45.00	50.00	60.00	75.00	100.00	130.00	210.00	300.00

SCREWED ENDS

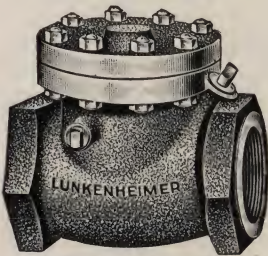


Plate 2990-H

SWING CHECK

FLANGED ENDS

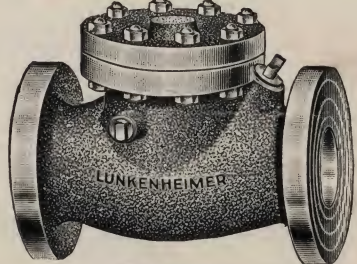


Plate 2991-H

HEAVY PATTERN

For 175 Pounds Working Pressure

Size	2	2½	3	3½	4	4½	5	6	8
Price, Screwed	8.30	10.50	12.00	16.00	20.00	24.50	27.50	33.00	72.00
" Flanged	12.70	15.50	18.50	24.00	29.50	35.00	42.00	55.00	90.00

EXTRA HEAVY PATTERN

For 250 Pounds Working Pressure

Size	2	2½	3	3½	4	4½	5	6	7	8
Price, Screwed	26.00	30.00	33.00	39.00	42.00	48.00	55.00	68.00	90.00	110.00
" Flanged	28.00	32.00	36.00	41.00	45.00	52.00	60.00	72.00	95.00	115.00

STANDARD BRASS GATE VALVES

WITH IRON WHEEL

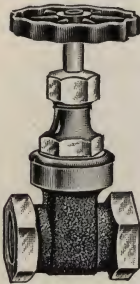


Plate 2992-H

QUICK OPENING



Plate 2993-H

HOSE

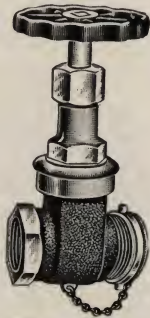


Plate 2994-H

WITH IRON WHEEL—SCREWED

Size.....inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price.....each	1.45	1.45	1.65	2.05	2.80	3.70	5.00	7.30	13.00	19.00

WITH IRON WHEEL—FLANGED

Size.....inches	2	2 1/2	3
Diameter of Flanges.....inches	6	7	7 1/2
Face to Face....."	5 1/8	6	6 5/8
Price.....each	25.00	33.00	39.00

QUICK OPENING—SCREWED

Size.....inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price.....each	3.60	4.80	6.20	8.50	11.80	20.25	30.00

QUICK OPENING—FLANGED

Size.....inches	2	2 1/2	3
Price.....each	29.50	40.00	50.00

HOSE, WITH IRON WHEEL

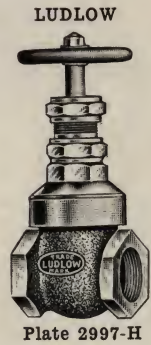
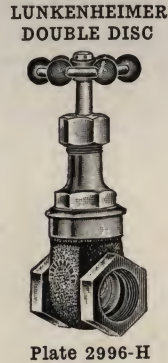
Size.....inches	1	1 1/4	1 1/2	2	2 1/2	3
Price, Rough Body, without Cap and Chain, each	3.35	4.70	6.25	9.00	15.00	22.00
" " " with Cap and Chain... "	5.10	6.70	8.85	12.60	20.00	29.50

HOSE, WITH FINISHED BRASS WHEEL

Size.....inches	1	1 1/4	1 1/2	2	2 1/2	3
Price, Finished, without Cap or Chain....each	6.90	9.10	11.85	17.30	26.00	38.00
" " " with Cap and Chain..... "	8.65	11.10	14.45	20.90	31.00	45.50
" " " and Nickel-plated, without Cap or Chain..... "	7.50	9.80	12.65	18.30	27.25	39.75
" " " Finished and Nickel-plated, with Cap and Chain..... "	9.25	11.80	15.25	21.90	32.25	47.25

Hose valves have standard iron pipe thread on female end and hose thread on male end. When ordering, send sample hose thread.

BRASS GATE VALVES



JENKINS STANDARD

For 125 Pounds Working Steam Pressure and 175 Pounds Water Pressure

SCREWED

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....each	1.45	1.45	1.65	2.05	2.80	3.70	5.00	7.30	13.00	19.00

FLANGED

Size.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....each	9.00	10.25	12.00	15.00	25.00	33.00	39.00

LUNKENHEIMER DOUBLE DISC

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Diameter of Flanges...inches	....	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	$7\frac{1}{2}$
Price, Screwed.....each	1.10	1.10	1.30	1.90	2.50	3.50	5.00	7.50	14.00	20.00
“ Flanged..... “	....	2.60	3.00	4.00	5.30	7.70	10.50	14.00	21.00	32.00
“ Serd. and Flgd.... “	....	2.00	2.40	3.10	4.20	5.90	8.20	11.20	18.00	27.00

LUDLOW BRONZE

Sizes $\frac{3}{8}$ to 1-inch are made with screwed cover and rising stem. Sizes $1\frac{1}{4}$ to 2-inch are made with screwed cover and screwed stuffing boxes. Sizes $2\frac{1}{2}$ to 6-inch are made with bolted cover and screwed stuffing box. Sizes 7-inch and larger are made with bolted cover, bolted stuffing box and follower.

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Price, Screwed.....each	1.40	1.40	1.80	2.35	3.40	4.40	6.25	13.75
“ Flanged..... “	....	3.40	3.70	4.15	5.70	7.40	11.00	18.75
Size.....inches	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8
Price, Screwed.....each	15.50	23.50	34.00	45.00	52.00	76.00	.....	.....
“ Flanged..... “	21.50	30.50	43.00	55.00	64.00	88.00	120.00	158.00

BRASS HOSE VALVES

JENKINS BROS.
ANGLE

Plate 2998-H

GLOBE



Plate 2999-H

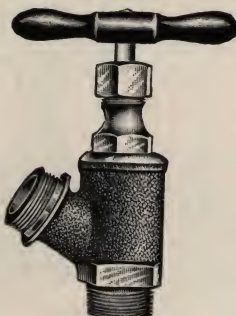
CHICAGO
PATTERN

Plate 3000-H

CALIFORNIA
PATTERN

Plate 3001-H

JENKINS BROS. GLOBE AND ANGLE—WITH IRON WHEEL

Size	inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price	each	2.10	2.70	3.30	4.70	6.50	9.90	17.10	23.50
" with Cap and Chain...	"	....	4.00	5.00	7.00	9.50	15.00	22.00	30.00

JENKINS BROS. GLOBE AND ANGLE—WITH BRASS WHEEL

Size	inches	1/2	3/4	1	1 1/4
Price, Rough Body	each	2.75	3.35	4.00	5.50
" " " with Cap and Chain .....	"	....	4.65	5.75	7.80
" Nickel-plated Body	"	3.20	3.80	4.40	5.90
" " " with Cap and Chain .....	"	....	5.05	6.15	8.20

Size	inches	1 1/2	2	2 1/2	3
Price, Rough Body	each	7.50	12.00	20.00	26.50
" " " with Cap and Chain	"	10.50	16.50	24.80	32.80
" Nickel-plated Body	"	7.90	12.40	20.60	27.10
" " " with Cap and Chain	"	10.90	16.90	25.40	33.40

CHICAGO PATTERN

Iron Handle, Loose Swivel and Leather Disc

Size	inches	1	1 1/4	1 1/2	2	2 1/2
Price, Rough Body, Plain	each	3.15	3.70	4.75	7.00	8.50

CALIFORNIA PATTERN

Size	inches	1/2	3/4	1	1 1/4	1 1/2	2
Price	each	1.65	1.65	2.20	3.40	4.75	7.00

STANDARD IRON BODY GATE VALVES

BRASS TRIMMINGS, WEDGE GATE, OPEN TO THE LEFT
NON-RISING STEM

SCREWED

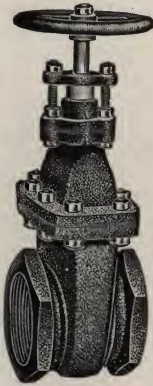


Plate 3002-H

FLANGED

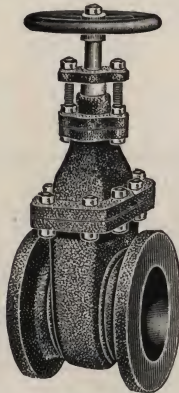


Plate 3003-H

HUB ENDS

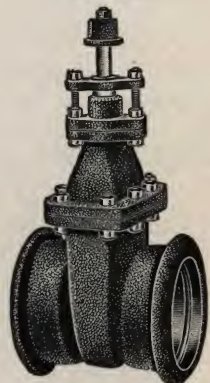


Plate 3004-H

Adopted November 15, 1911

SCREWED OR FLANGED

Sizes 16-inch and Smaller, for Steam Working Pressures up to 125 Pounds; Sizes 18-inch and Larger, for Pressures up to 100 Pounds

Size.....inches	2	2½	3	3½	4	4½	5	6
Face to Face..inches	7	7½	8	8½	9	9½	10	10½
Diam., Flanges "	6	7	7½	8½	9	9¼	10	11
Price, Screwed each	10.00	11.50	14.00	17.00	19.00	24.00	27.50	32.50
" Flanged "	12.00	13.50	16.50	19.50	23.00	28.00	31.50	36.50

Size.....inches	7	8	9	10	12	14	15	16
Face to Face..inches	11	11½	12	13	14	15	15	16
Diam., Flanges "	12½	13½	15	16	19	21	22¼	23½
Price, Screwed each	45.00	54.00	76.00	90.00	125.00	.....	.....	.....
" Flanged "	49.00	58.00	81.00	95.00	133.00	181.00	220.00	260.00

Size.....inches	18	20	22	24	26	28	30	....
Face to Face..inches	17	18	19	20	23	26	30	....
Diam., Flanges "	25	27½	29½	32	34¼	36½	38¾	....
Price, Flanged each	350.00	425.00	530.00	600.00	800.00	950.00	1100.00	....

HUB ENDS

Sizes 12-inch and Smaller, for Water Working Pressures up to 175 Pounds; Sizes 14 and 16-inch, up to 150 Pounds; Sizes 18-inch and Larger, up to 120 Pounds

Size.....inches	2	3	4	5	6	7	8	10
End to End..inches	8½	9	10¼	10¾	10¾	10¾	12	12¾
Price each	10.00	14.00	19.00	27.50	32.50	45.00	54.00	90.00

Size.....inches	12	14	16	18	20	24	30	....
End to End..inches	13½	13¾	16	17	17	18	30	....
Price each	125.00	173.00	250.00	340.00	415.00	590.00	1075.00	....
" with By-Pass. "	.....	.....	315.00	415.00	500.00	690.00	1225.00	....

All iron gates, same list prices as brass mounted.

LUNKENHEIMER DOUBLE SEATED "VICTOR" GATE VALVES

IRON BODY, BRONZE MOUNTED, AND ALL IRON

MEDIUM PATTERN

For 125 Pounds Working Pressure

STATIONARY STEM
SCREWED ENDS FLANGED ENDS



Plate 3005-H

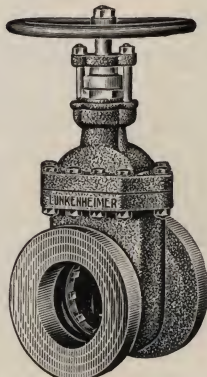


Plate 3006-H

OUTSIDE SCREW AND YOKE
SCREWED ENDS FLANGED ENDS

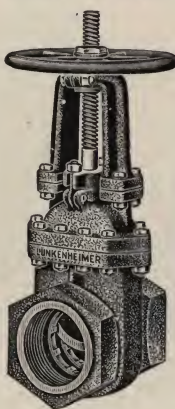


Plate 3007-H

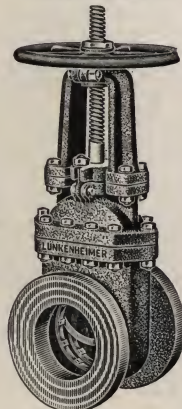


Plate 3008-H

These valves are made in two forms, one with stationary stem, as shown in the two cuts on the left, and the other with rising stem and outside screw and yoke, as shown in the two cuts on the right. The latter of these two forms is better adapted for high steam pressures, inasmuch as the threads on the stem are not exposed to the corroding action of the steam, and being accessible for oiling, the life of the valve is therefore prolonged. They are double seated and will take pressure from either end.

STATIONARY STEM

Size.....inches	2	2½	3	3½	4	4½	5	6	7	8
Price, Screwed... each	14.00	17.50	22.50	27.00	33.00	38.00	45.00	53.00	73.00	88.00
" Flanged... "	14.00	17.50	22.50	27.00	33.00	38.00	45.00	53.00	73.00	88.00
Size.... inches	9	10	12	14	15	16	18	20	22	24
Price, Screwed... each	100.00	125.00	175.00	.....	.....	.....	.....	.....	.....	.....
" Flanged... "	100.00	125.00	175.00	200.00	220.00	250.00	300.00	400.00	530.00	650.00

All iron, sizes 2 to 12-inch, same list as bronze mounted

OUTSIDE SCREW AND YOKE

Size.....inches	2	2½	3	3½	4	4½	5	6	7	8
Price, Screwed... each	17.00	20.50	23.50	32.50	39.00	46.50	52.00	61.00	83.00	105.00
" Flanged... "	17.00	20.50	23.50	32.50	39.00	46.50	52.00	61.00	83.00	105.00
Size.....inches	9	10	12	14	15	16	18	20	22	24
Price, Screwed... each	122.00	145.00	190.00	.....	.....	.....	.....	.....	.....	.....
" Flanged... "	122.00	145.00	190.00	210.00	240.00	275.00	315.00	405.00	560.00	670.00

All iron, sizes 2 to 12-inch, same list as bronze mounted.

LUNKENHEIMER **DOUBLE SEATED "CLIP" GATE VALVES** IRON BODY BRONZE MOUNTED, OR ALL IRON RISING STEM

For Working Pressures up to 100 Pounds



Plate 3009-H



Plate 3010-H

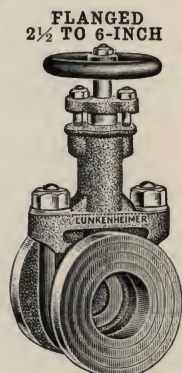


Plate 3011-H

QUICK OPENING

For Working Pressures up to 50 Pounds

SCREWED

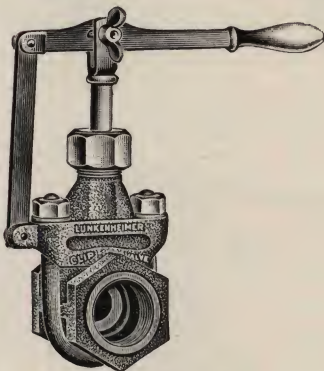


Plate 3012-H

FLANGED

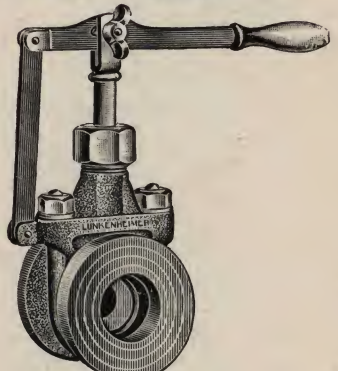


Plate 3013-H

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rising Stem, Screwed.....each	2.00	2.35	2.50	3.50	5.00	7.50
“ “ “ Flanged..... “	.....	.....	3.00	4.90	6.00	8.50
“ Quick Opening, Screwed..... “	2.00	2.35	2.50	3.50	5.00	7.50
“ “ “ Flanged..... “	.....	.....	3.00	4.90	6.00	8.50

Size.....inches	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Price, Rising Stem, Screwed.....each	12.00	15.00	20.00	22.00	30.00	36.00
“ “ “ Flanged..... “	13.50	16.90	22.00	25.00	34.00	40.00
“ Quick Opening, Screwed..... “	12.00	15.00	22.00	24.00	33.00	40.00
“ “ “ Flanged..... “	13.50	16.90	24.00	27.50	37.50	44.00

Prices of all iron valves quoted on application.

The construction of these valves is simple, durable and compact. The steel clip which extends around the body may be easily removed, allowing free access to the interior of the valve for cleaning or repairing.

LUDLOW No. 4 AND No. 5 IRON BODY DOUBLE GATE VALVES

BRONZE MOUNTED

FOR WATER OR GAS
HUB OR BELL END

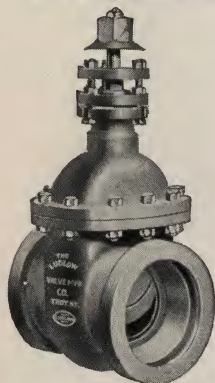


Plate 3014-H

WITH BOLTED PACKING PLATE AND FOLLOWER
FLANGED

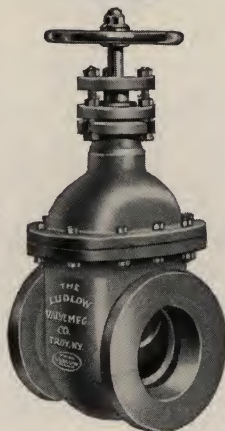


Plate 3015-H

SCREWED



Plate 3016-H

OUTSIDE SCREW AND YOKE

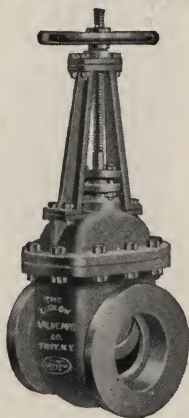


Plate 3017-H

SLIDING STEM AND LEVER

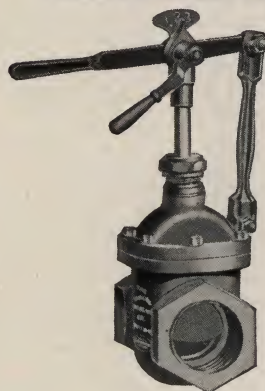


Plate 3018-H

The No. 4 valves are tested at 300 pounds water pressure.

The No. 5 valves are tested at 350 pounds water pressure.

For 300 pounds tested pressure valves, 75 pounds steam and 150 pounds water is the recommended working pressure.

For 350 pounds tested pressure valves, 85 pounds steam and 185 pounds water is the recommended working pressure.

Both the No. 4 and No. 5 valves are made in the above styles. See next page for list prices.

LUDLOW No. 4 AND No. 5 IRON BODY DOUBLE GATE VALVES

BRONZE MOUNTED

FOR WATER, STEAM, GAS, OIL, AMMONIA, ETC.

The gates of these valves are adjustable with centre bearings, making it impossible for them to become wedged fast in the case. The bearings are fully bronze mounted.

Hub or spigot end valves are used mostly for water works systems.

LIST No. 4 VALVES

TESTED AT 300 POUNDS PRESSURE PER SQ. INCH, WATER PRESSURE

For Working Pressures Not Exceeding 75 Pounds Steam and 150 Pounds Water

Size Inches	PRICE, EACH				ADD TO PRICES		DIMENSIONS, INCHES				
	Screw'd	Flang'd	Hub End	Spigot End	For Slide Stem and Lever	For Out- side Screw and Yoke	Face to Face Screw'd	Face to Face Flanges	Diam. of Stan- dard Flanges	End to End Hubs	Depth of Hubs
1	5.00	5.50	.....	.....	....	4.00	3 $\frac{3}{4}$	5	4	....	....
1 $\frac{1}{4}$	5.50	6.00	.....	.....	....	5.00	3 $\frac{3}{4}$	5 $\frac{1}{4}$	4 $\frac{1}{2}$	....	....
1 $\frac{1}{2}$	6.00	6.25	.....	.....	1.00	5.00	4	5 $\frac{1}{2}$	5	....	....
2	7.00	7.50	7.00	7.25	1.25	7.00	4 $\frac{7}{8}$	5 $\frac{5}{8}$	6	7	2 $\frac{1}{4}$
2 $\frac{1}{2}$	10.25	10.75	10.00	10.25	1.75	8.50	5 $\frac{3}{8}$	6 $\frac{1}{8}$	7	7 $\frac{3}{4}$	2 $\frac{1}{4}$
3	12.25	13.25	14.50	15.00	2.00	8.50	5 $\frac{1}{2}$	6 $\frac{7}{8}$	7 $\frac{1}{2}$	8 $\frac{5}{8}$	2 $\frac{1}{2}$
3 $\frac{1}{2}$	16.50	17.50	16.00	16.50	2.00	9.25	7 $\frac{1}{4}$	8 $\frac{1}{4}$	8 $\frac{1}{2}$	9 $\frac{3}{8}$	2 $\frac{5}{8}$
4	18.00	18.50	17.00	17.50	2.00	10.00	7 $\frac{1}{4}$	8 $\frac{3}{4}$	9	9 $\frac{3}{8}$	2 $\frac{3}{4}$
4 $\frac{1}{2}$	23.00	23.50	22.00	22.50	2.25	11.00	9 $\frac{1}{2}$	9 $\frac{3}{4}$	9 $\frac{1}{4}$	11	3 $\frac{1}{4}$
5	25.00	25.50	24.00	24.50	2.25	12.00	11	10 $\frac{3}{4}$	10	12	3 $\frac{1}{2}$
6	30.50	31.00	28.00	28.75	2.25	14.00	11 $\frac{1}{4}$	11 $\frac{1}{8}$	11	12 $\frac{1}{2}$	3 $\frac{7}{8}$
7	38.00	38.00	37.00	38.00	2.25	16.00	12	11 $\frac{1}{4}$	12 $\frac{1}{2}$	13 $\frac{7}{8}$	4
8	45.00	43.50	42.00	43.25	2.25	18.00	12 $\frac{5}{8}$	11	13 $\frac{1}{2}$	14 $\frac{1}{8}$	4
10	64.00	64.50	60.00	62.50	3.25	23.00	13 $\frac{5}{8}$	13 $\frac{3}{4}$	16	14 $\frac{5}{8}$	4
12	82.50	80.00	76.00	79.50	4.00	27.50	13 $\frac{5}{8}$	14 $\frac{3}{8}$	19	15	4

LIST No. 5 VALVES

TESTED AT 350 POUNDS PRESSURE PER SQ. INCH, WATER PRESSURE

For Working Pressures Not Exceeding 85 Pounds Steam and 185 Pounds Water

2	.....	.....	.....	.....	....	....	....	....	....	....	....
2 $\frac{1}{2}$	.....	.....	.....	.....	....	....	....	....	....	....	....
3	15.00	16.00	14.50	15.00	2.00	8.50	7 $\frac{3}{4}$	8	7 $\frac{1}{2}$	10	2 $\frac{5}{8}$
3 $\frac{1}{2}$	16.50	17.50	16.00	16.50	2.00	9.25	7 $\frac{1}{4}$	8 $\frac{1}{4}$	8 $\frac{1}{2}$	9 $\frac{3}{8}$	2 $\frac{5}{8}$
4	19.00	20.00	18.00	18.50	2.00	10.00	7 $\frac{7}{8}$	8 $\frac{5}{8}$	9	10 $\frac{1}{2}$	3
4 $\frac{1}{2}$	23.00	23.50	22.00	22.50	2.25	11.00	9 $\frac{1}{2}$	9 $\frac{3}{4}$	9 $\frac{1}{4}$	11	3 $\frac{1}{4}$
5	25.00	25.50	24.00	24.50	2.25	12.00	11	10 $\frac{3}{4}$	10	12	3 $\frac{1}{2}$
6	32.50	33.00	31.50	32.25	2.25	14.00	11 $\frac{3}{4}$	11 $\frac{1}{8}$	11	13 $\frac{1}{4}$	3 $\frac{5}{8}$
7	38.00	38.00	37.00	38.25	2.25	16.00	12	11 $\frac{1}{4}$	12 $\frac{1}{2}$	13 $\frac{7}{8}$	4
8	48.00	47.00	45.00	47.50	2.25	18.00	13 $\frac{1}{2}$	13 $\frac{1}{4}$	13 $\frac{1}{2}$	14	4 $\frac{1}{4}$
9	62.00	62.00	58.00	60.50	3.25	20.00	13	13	15	15 $\frac{1}{2}$	4 $\frac{1}{4}$
10	70.00	70.00	63.00	65.50	3.25	23.00	14 $\frac{1}{4}$	15	16	14 $\frac{7}{8}$	4 $\frac{1}{4}$
12	88.00	88.00	83.00	86.00	4.00	27.50	14 $\frac{1}{4}$	15 $\frac{1}{2}$	19	15 $\frac{3}{4}$	4 $\frac{1}{4}$

All hub valves have bolted stuffing box.

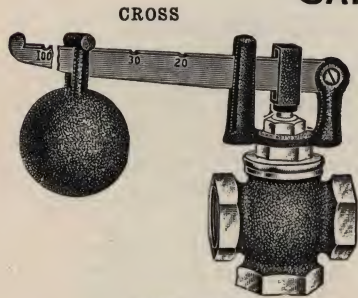
Screwed and flanged valves, bronze mounted, have screwed stuffing box on 6-inch and under sizes, and bolted stuffing box on larger sizes.

These valves are made with one end hub and other end spigot, or any other combination of above styles as desired.

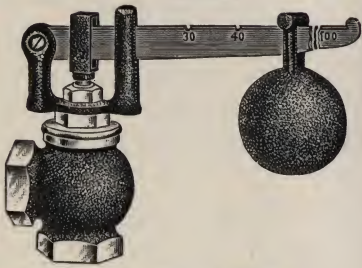
Hub or spigot end valves with Dresser Couplings, Hammon Couplings or Universal Joint, prices on application.

Prices on all iron valves on application.

SAFETY VALVES



CROSS



ANGLE

Plate 3019-H

Plate 3020-H

BRASS CROSS AND ANGLE SAFETY VALVES—Brass Disc

Size..... inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price, Cross..each	2.20	2.50	3.25	3.90	4.70	7.15	9.00	12.50	22.50	33.50
“ Angle.. “	....	....	3.25	3.90	4.70	7.15	9.00	12.50	....	....

IRON BODY CROSS SAFETY VALVES—Brass Disc

Size..... inches	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price, Screwed..... each	5.00	5.80	7.80	13.25	17.25	23.00
Size..... inches	4	4 1/2	5	6	7	8
Diameter of Flanges..... inches	9	....	10	11	12 1/2	13 1/2
Face to Face..... “	11	....	13	14	16	17
Price, Screwed..... each	28.75	34.50	41.50	57.75	93.50	132.00
“ Flanged..... “	34.00	....	48.00	65.00	100.00	140.00

BRASS CROSS AND ANGLE SAFETY VALVES—Jenkins Disc

Size..... inches	1/2	3/4	1	1 1/4	1 1/2	2
Price..... each	4.00	5.00	6.00	9.00	11.00	16.00
“ with Balance Weight for Low Pressure “	4.25	5.30	6.50	9.60	11.60	16.60

IRON BODY CROSS AND ANGLE SAFETY VALVES—Jenkins Disc

Size..... inches	3/4	1	1 1/4	1 1/2	2	2 1/2
Diameter of Flanges..... inches	3 1/2	4	4 1/2	5	6	7
Price, Screwed..... each	4.50	5.00	7.00	8.00	11.00	17.00
“ Flanged..... “	....	....	....	....	13.00	19.00
Size..... inches	3	3 1/2	4	4 1/2	5	6
Diameter of Flanges..... inches	7 1/2	8 1/2	9	9 1/4	10	11
Price, Screwed..... each	22.00	31.00	38.00	47.00	55.00	73.00
“ Flanged..... “	25.50	34.00	42.00	52.00	62.00	80.00



Plate 3021-H

LOW PRESSURE SAFETY VALVES

BRASS WITH IRON BALL

Ball Weighted for 8 to 10 Pounds Pressure

Size..... inches	3/4	1	1 1/4
Price..... each	2.60	3.30	4.50
Size..... inches	1 1/2	2	....
Price..... each	6.35	8.65	....

AMERICAN BRASS POP SAFETY VALVES

REGULAR
TOP OUTLET



Plate 3022-H

REGULAR
SIDE OUTLET



Plate 3023-H

LOCKUP
TOP OUTLET



Plate 3024-H

LOCOMOTIVE
MUFFLED



Plate 3025-H

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Price, Regular, Top Outlet, Semifinished	each	8.00	8.00	10.00	12.00	15.00
“ “ “ “ Finished	“	9.00	9.00	11.00	13.00	16.00
“ “ “ “ Lockup Style, Semifinished	“	9.00	9.00	11.00	13.00	17.00
“ “ “ Side “ Semifinished	“	10.00	10.00	12.00	15.00	18.00
“ “ “ “ Lockup Style, Semifinished	“	11.00	11.00	13.00	16.00	20.00
Size	inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, Regular, Top Outlet, Semifinished	each	23.00	38.00	65.00	.....	.....
“ “ “ “ Finished	“	24.00	40.00	68.00	.....	.....
“ “ “ “ Lockup Style, Semifinished	“	25.00	40.00	68.00	.....	.....
“ “ “ Side “ Semifinished	“	27.00	43.00	72.00	95.00	120.00
“ “ “ “ Lockup Style, Semifinished	“	29.00	46.00	75.00	98.00	123.00
“ Locomotive Muffled, Semifinished	“	65.00	80.00	90.00	120.00	150.00

Top outlet valves are used on stationary and portable boilers and engines. Side outlet valves for marine and stationary boilers. State which style is wanted when ordering, also state pressure at which valves are to be set to blow off. For working pressures up to 200 pounds.



Plate 3026-H

HOUSE HEATER POP SAFETY VALVES

House heater pop safety valves are furnished for pressures not exceeding 30 pounds.

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Price	each	10.00	10.00	12.00	15.00	20.00
Size	inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price	each	30.00	50.00	65.00	100.00	160.00

LUNKENHEIMER BRONZE POP SAFETY AND CYLINDER RELIEF VALVES

"SENTINEL" IMPROVED POP SAFETY



Plate 3027-H

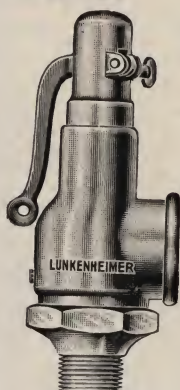


Plate 3028-H

CYLINDER RELIEF FEMALE INLET



Plate 3029-H

"SENTINEL" IMPROVED POP SAFETY

These valves are for stationary, portable and marine steam boilers. Valves will be sent set at 100 pounds, unless otherwise specified. No extra charge will be made to set valves at any pressure from 10 to 175 pounds, inclusive. For pressures below 10 pounds or above 175 pounds, an extra charge will be made.

Size Inches	Suitable for Boilers Horse Power	PRICE, EACH				
		Top Outlet Male or Female Inlet	Angle Outlet Male Inlet *Female Outlet	Top Outlet Flange Inlet	Female Angle Outlet Flange Inlet	Angle Outlet Flange Both Ends
$\frac{3}{8}$	.....	5.50	6.00	.....	.....	.....
$\frac{1}{2}$	.....	6.00	6.50	7.50	8.00	10.50
$\frac{3}{4}$	6 to 8	6.50	7.00	8.50	9.00	12.00
1	8 " 10	7.50	8.20	10.50	11.00	15.00
$1\frac{1}{4}$	10 " 15	9.00	9.80	12.50	13.50	19.00
$1\frac{1}{2}$	20 " 30	11.50	12.40	16.70	17.50	25.50
2	35 " 50	18.00	19.50	25.50	37.00	48.00
$2\frac{1}{2}$	60 " 75	28.00	30.00	38.50	41.00	56.00
3	75 " 100	38.00	41.00	51.00	54.00	72.00
$3\frac{1}{2}$	100 " 125	76.00	78.00	92.00	95.00	105.00
4	125 " 150	92.00	95.00	110.00	115.00	125.00

*Or both ends female.

CYLINDER RELIEF

Cylinder relief valves are usually set from 10 to 15 pounds higher than the working pressure on the engine, and when ordering, specify the pressure at which valves should be set to blow off, and also whether wanted with screw ends or flange at bottom and screw at side. Unless otherwise specified, they will be furnished with male screw end at bottom and female screw on outlet. The outlet connections are the same size as the inlets.

Relief valves set to relieve at any pressure from 10 to 175 pounds, without extra charge. For pressures below 10 pounds or above 175 pounds, an extra charge will be made.

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price, Top Outlet, Male or Female Inlet, each	2.30	2.90	3.60	4.70	5.50	7.00	11.00	17.00	26.00	48.00	58.00
" Angle " " " " "	2.80	3.40	3.80	5.00	6.00	7.60	12.00	18.50	27.50	50.00	60.00
" Top " Flanged Inlet..... "	....	4.10	4.60	6.40	7.40	10.20	15.60	23.50	33.50	60.00	70.00
" Angle " " " " " "	....	4.40	4.90	6.70	8.30	11.00	22.50	25.00	35.50	62.00	72.00
" " " Inlet and Outlet " "	....	6.00	6.70	9.20	11.50	15.60	29.50	34.00	46.50	68.00	83.00

DAVIS PRESSURE REGULATING VALVES

For Any Initial Pressure up to 200 Pounds

No. 1
SCREWED



Plate 3031-H

No. 2
FLANGED

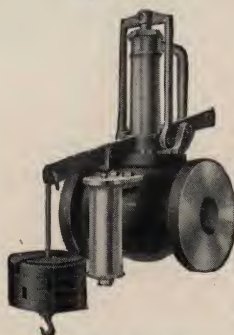


Plate 3032-H

No. 3
SCREWED



Plate 3033-H

Adopted May 1, 1913

NOS. 1 AND 2

The No. 1 pressure regulator or reducing valve will reduce any initial pressure of 200 pounds or less to any lower delivery pressure and automatically maintain it constant, regardless of the demand or fluctuations in the high pressure. The delivery pressure may be as *low as 1 pound* if the regulator is counterweighted by suspending weights from the opposite end of the lever to overcome the actual weight of the internal parts. Always specify the delivery pressure so a valve of proper construction may be furnished.

No. 2 is practically the same in construction as No. 1; the only difference in construction is the addition of an oil dashpot, which will prevent the lever from jumping when the delivery pressure is subject to pulsation.

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$
Price, No. 1.....each	20.00	20.00	22.00	24.00	25.00	30.00	35.00	40.00	50.00
" " 2..... "	24.00	24.00	26.00	28.00	30.00	35.00	40.00	46.00	56.00

Size.....inches	4	$4\frac{1}{2}$	5	6	7	8	10	12	14
Price, No. 1.....each	60.00	70.00	75.00	100.00	135.00	175.00	275.00	400.00	500.00
" " 2..... "	68.00	80.00	85.00	111.00	146.00	187.00	288.00	414.00	516.00

Sizes $1\frac{1}{4}$ -inch and under have bronze bodies; $1\frac{1}{2}$ -inch and over are made of iron; 1-inch and under have screwed ends only; 2 to 6-inch, inclusive, have either screwed or flanged ends; 7-inch and over have flanged ends only. Unless otherwise ordered, screwed end valves are sent on orders for sizes less than 6-inch.

No. 3

No. 3 is constructed the same as Nos. 1 and 2, the only difference being that it has an expanded outlet. It is equally well adapted to either high or low pressure service.

Size.....inches	$1\frac{1}{2} \times 3$	2×3	2×4	$2\frac{1}{2} \times 5$	3×5	3×6	$3\frac{1}{2} \times 7$
Price.....each	40.00	45.00	50.00	65.00	75.00	85.00	100.00

Size.....inches	4×6	4×7	4×8	5×8	5×9	5×10	6×8
Price.....each	110.00	125.00	135.00	155.00	175.00	195.00	220.00

Size.....inches	6×10	6×12	8×10	8×14	8×16	10×16	10×20
Price.....each	250.00	280.00	325.00	360.00	400.00	450.00	500.00

Sizes $1\frac{1}{2} \times 3 \times 2 \times 4$ -inch have screwed ends only; $2\frac{1}{2} \times 5$ to 3×3 -inch have inlet screwed and outlet flanged; $3\frac{1}{2} \times 7$ -inch and larger have inlet and outlet flanged only.

DAVIS "P. & W." PRESSURE REGULATORS

For Any Initial Pressure up to 150 Pounds

SCREWED
BOTH ENDS
GLOBE PATTERN



Plate 3034-H

INLET SCREWED
OUTLET FLANGED
EXPANDED OUTLET PATTERN

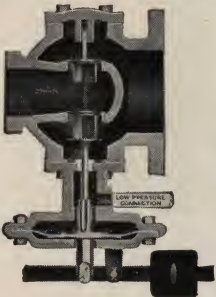


Plate 3035-H

The Davis "P. & W." Pressure Regulator is especially designed to meet the requirements of the Paul, Webster, Illinois or any vacuum system of steam heating, and should not be used to maintain a delivery pressure of more than 5 pounds.

It has a rubber diaphragm, which is held in equilibrium by the delivery pressure on one side and counterweights on the other. The area of the diaphragm is made large to cause the regulator to be sensitive and to respond instantly to the slightest fluctuation in pressure, which is essential in vacuum steam heating systems. The valve stem does not move through a stuffing box, and is therefore entirely free from friction, which is an improvement over most makes of diaphragm regulators.

The governing pressure is taken at some distance from the regulator where an average pressure on the system is maintained and brought to bear upon the diaphragm through a small pipe which screws into the diaphragm chamber.

This valve should be placed in a horizontal position, preferably with the diaphragm down, so the water of condensation which forms in the diaphragm chamber will protect it from the heat of the steam. If placed in any other position the life of the diaphragm will be impaired.

GLOBE PATTERN
Adopted May 1, 1913

Size inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
Price each	30.00	30.00	32.00	35.00	37.00	45.00	60.00	65.00	80.00
Size inches	4	4 1/2	5	6	7	8	9	10	12
Price each	100.00	120.00	135.00	175.00	220.00	285.00	325.00	360.00	500.00

EXPANDED OUTLET PATTERN

Size inches	1 1/2 x 3	2 x 3	2 x 4	2 1/2 x 5	3 x 5	3 x 6	3 1/2 x 7	4 x 6	4 x 7	4 x 8
Price each	50.00	55.00	60.00	70.00	85.00	100.00	115.00	130.00	145.00	160.00
Size inches	5 x 8	5 x 9	5 x 10	6 x 8	6 x 10	6 x 12	8 x 10	8 x 14	8 x 16	10 x 20
Price each	170.00	185.00	200.00	230.00	270.00	300.00	350.00	400.00	425.00	500.00

The 1 1/2 x 3 to 2 x 4-inch sizes have both ends screwed; 2 1/2 x 5 to 3 x 6-inch sizes have inlet screwed and outlet flanged; 3 1/2 x 7-inch and larger have both ends flanged.

REDUCING VALVES

WATSON REDUCING VALVES

ATMOSPHERIC

FOR STEAM

DIAPHRAGM

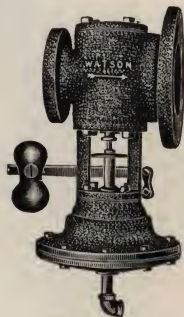


Plate 3036-H

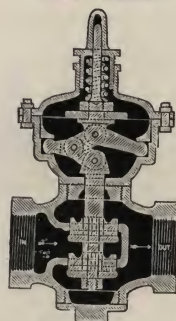


Plate 3037-H

ATMOSPHERIC REDUCING VALVES

This valve is for steam pressures from atmospheric to 5 pounds. Specially adapted to meet the requirements of the Ball, Webster, or Paul system of heating.

Size.....inches	1x2	1¼x2½	1½x3	2x4	2½x5	3x6	4x8	5x10	6x12
Price.....each	20.00	26.00	33.00	45.00	60.00	80.00	115.00	150.00	180.00

DIAPHRAGM BRASS REDUCING VALVES—Screwed

For use on pumps and engines.

Size.....inches	¾	1	1¼	1½
Price.....each	17.00	20.00	25.00	30.00

DIAPHRAGM IRON BODY REDUCING VALVES—Flanged

The diaphragm valve is for reducing steam pressures from 200 pounds or less to any low pressure from 20 to 100 pounds.

Size.....inches	2	2½	3	4	5	6	8
Price.....each	38.00	55.00	70.00	90.00	110.00	150.00	200.00

FOR STEAM ONLY

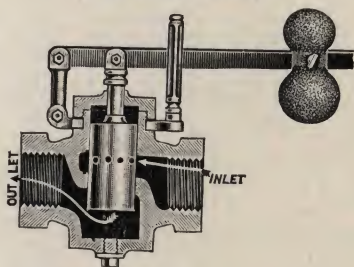


Plate 3038-H

LEVER AND WEIGHT

For use on heating systems or kettles, or where requiring a steady pressure on reduced side. Valves with lever and weight are for pressures up to 200 pounds, and will reduce to any pressure from 1 to 25 or 30 pounds.

BRASS REDUCING VALVES—Screwed

Size.....inches	½	¾	1	1¼	1½	2
Price.....each	14.00	14.00	17.00	22.00	28.00	38.00

IRON BODY BRASS LINED REDUCING VALVES—Flanged

Size.....inches	2	2½	3	4	5	6
Price.....each	38.00	55.00	70.00	90.00	110.00	150.00

KIELEY IRON BODY BACK PRESSURE AND RELIEF VALVES

HORIZONTAL

No. 109 IMPROVED NOISELESS

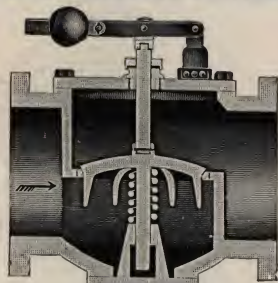


Plate 3039-H
No. 146 VERTICAL

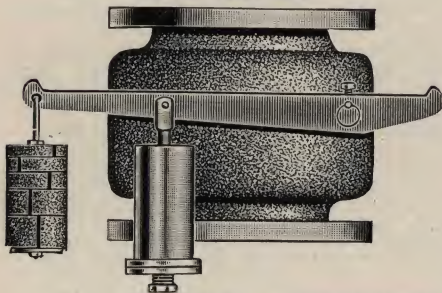


Plate 3041-H

HORIZONTAL OR VERTICAL

No. 110 SEMI-BALANCED

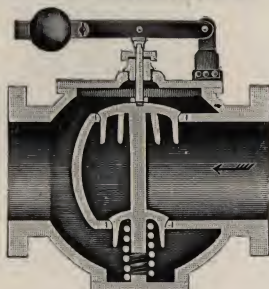


Plate 3040-H

Specify whether valve is to be used as a back pressure valve or an atmospheric relief valve. In ordering it is especially important that we have the particulars of service upon which valve is to be used.

Sizes 2 to 4½ inches inclusive, made with screw or flanged ends; all larger sizes have flanged ends. Companion flanges are always extra and only furnished with valves when so ordered.

Size	inches	2	2½	3	3½	4	4½	5
Diameter of Flanges	inches	6	7	7½	8½	9	9¼	10
Price	each	20.00	24.00	30.00	35.00	40.00	45.00	55.00
Size	inches	6	7	8	9	10	12	14
Diameter of Flanges	inches	11	12½	13½	15	16	19	21
Price	each	75.00	100.00	130.00	200.00	200.00	275.00	345.00
Size	inches	16	18	20	22	24	....	....
Diameter of Flanges	inches	23½	25	27½	29½	32	....	....
Price	each	465.00	600.00	750.00	900.00	1050.00	....	...

KIELEY COMBINATION ATMOSPHERIC RELIEF OR SEMI-BALANCED BACK PRESSURE VALVES

Size	inches	6	8	10	12	14	16	18
Diameter of Flanges	inches	11	13½	16	19	21	23½	25
Price	each	100.00	170.00	270.00	335.00	415.00	500.00	584.00
Size	inches	20	22	24	26	28	30	..
Diameter of Flanges	inches	27½	29½	32	34¼	36½	38¾	....
Price	each	670.00	917.00	1170.00	1420.00	1600.00	2000.00	....

Companion flanges are always extra and only furnished with valves when so ordered.

KIELEY REGULATING VALVES

**SPECIAL "98"
VACUUM**

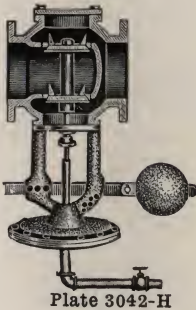


Plate 3042-H

**"EUREKA"
LOW PRESSURE**

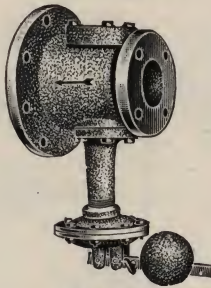


Plate 3043-H

**HIGH PRESSURE
PISTON PACKED**

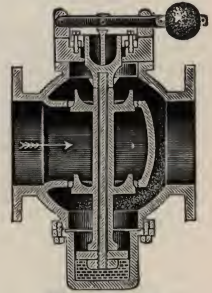


Plate 3044-H

SPECIAL "98" VACUUM

Constructed specially for all vacuum, atmospheric and very low pressure systems, such as are now being used on many buildings for heating purposes.

Size	1x1	1x2	1½x1½	1½x2½	1½x1½	1½x3	2x2	2x4	2½x2½
Price.....each	22.00	33.00	28.00	42.50	35.00	53.50	44.00	72.00	57.00
Size	2½x5	3x3	3x6	3½x3½	4x4	4x6	4x8	5x5	5x10
Price.....each	96.00	72.00	126.00	85.00	100.00	140.00	187.50	135.00	242.00
Size	6x6	6x12	7x7	8x8	8x14	8x16	10x10	12x12	....
Price.....each	180.00	325.00	225.00	275.00	400.00	500.00	350.00	470.00	....

Sizes 1x2 and 1x1 made with screw ends only, and small end of 1½x2½ to 2x4 made with screw ends only and large end flanged. All larger have both ends flanged.

"EUREKA" LOW PRESSURE

For reducing steam pressures from the initial or high pressure carried, which may be as high as 125 pounds per square inch, down to any pressure on the reduced side from 1 to 15 pounds.

Size.....inches	¾	1	1x2	1¼	1½x2½	1½	1½x3	2	2x4	2½
Price.....each	20.00	22.00	33.00	28.00	42.50	35.00	53.50	44.00	72.00	57.00
Size.....inches	2½x5	3	3x6	3½	4	4x6	4x8	5	5x10	6
Price.....each	96.00	72.00	126.00	85.00	100.00	140.00	187.50	135.00	242.00	180.00
Size.....inches	6x12	7	8	8x14	8x16	9	10	12	....	....
Price.....each	325.00	225.00	275.00	400.00	500.00	350.00	350.00	470.00	....	....

Sizes ¾ to 2 and 1x2 made with screw ends only, and small end of 1½ x 2½ to 2x4 made with screw ends only and large end flanged. All larger have both ends flanged.

HIGH PRESSURE—PISTON PACKED

For reducing steam pressure from the initial or high pressure carried, which may be as high as 125 pounds per square inch, down to any pressure on the reduced side above 15 pounds that may be desired.

Size.....inches	¾	1	1¼	1½	2	2½	3	3½
Price.....each	20.00	22.00	28.00	35.00	44.00	57.00	72.00	85.00
Size.....inches	4	5	6	7	8	9	10	12
Price.....each	100.00	135.00	180.00	225.00	275.00	350.00	350.00	470.00

Sizes ¾ to 2 inches, inclusive, made with screw ends only; all larger have flange ends. Companion flanges are always extra and only furnished with valves when so ordered. We construct to order valves for extra high initial pressures or to meet special conditions. In ordering state clearly all conditions,

PUMP GOVERNORS

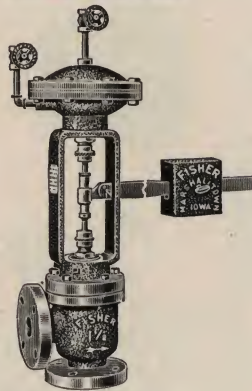
FISHER

REGULAR



Plate 3045-H

EXCESS PRESSURE

Plate 3046-H
REGULAR

GARDNER



Plate 3047-H

This is the regular type of governor for automatically stopping and starting pumps working under pressure and to control same so as to maintain a uniform pressure on discharge side at all times while in operation. The capacity of this governor is 5 to 500 pounds, depending on the size of spring and cylinder used.

EXCESS PRESSURE

This governor is guaranteed to maintain a constant overpressure or excess pressure in the feed line at all times, regardless of variation in the boiler pressure. It automatically controls and regulates the speed of the pump according to the requirements of the boiler. Made in the same sizes and takes same list as the regular pump governor.

SCREWED

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, Angle or Globe each	25.00	25.00	27.50	30.00	35.00	42.50	50.00	58.00	70.00

FLANGED

Size .....inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	8
Price, Angle ...each	35.00	40.00	45.00	50.00	60.00	75.00	87.50	100.00	125.00	150.00	225.00
" Globe... "	37.50	42.50	47.50	52.50	63.00	78.50	90.00	105.00	130.00	160.00	235.00

When ordering, give minimum boiler pressure, also maximum and minimum pump discharge pressure. State whether angle or globe, screwed or flanged is wanted. If used on anything besides cold water, state kind of liquid.

GARDNER

The adjustment is simple and easy of access. It is accomplished by means of a set screw at the top. This can be turned so as to set the governor at the pressure desired, which will be maintained with but slight variation.

Size .....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Price, Screwed.....each	27.50	30.00	35.00	42.50	50.00	60.00
" Flanged....."					50.00	60.00
Size .....inches	3	$3\frac{1}{2}$	4	5	6	.....
Price, Screwed.....each	75.00	87.50	100.00	125.00	150.00	.....
" Flanged....."						.....

Angle valve, drain cock and union with nipples, included with each governor.

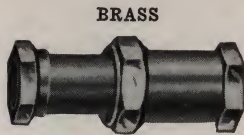
BRASS AND IRON BODY EXPANSION JOINTS

Plate 3048-H



Plate 3049-H



Plate 3050-H

BRASS—SCREWED, STANDARD TRAVERSE

Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Traverse.....inches	2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/2	2 1/2	2 3/4
Price.....each	1.50	2.20	2.75	4.00	5.00	8.00	17.50	24.00

BRASS—SCREWED, SPECIAL TRAVERSE

Traverse	Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
4 inches	Price.....each	3.80	4.00	4.90	6.30	7.40	9.10	....
6 "	"	....	8.25	9.00	10.00	11.50	13.50	24.00
8 "	"	....	9.00	10.00	11.25	13.00	15.50	27.00
10 "	"	....	9.75	11.00	12.50	14.50	17.50	30.00
12 "	"	....	10.50	12.00	13.75	16.00	19.50	33.00

IRON BODY—SCREWED, STANDARD TRAVERSE

Size..inches	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	12
Traverse..in.	2 1/2	2 1/2	2 3/4	3	3 1/4	3 1/2	4	5	6	7	7	7	8
Price...each	7.00	8.00	10.00	14.00	18.00	30.00	38.00	45.00	70.00	100.00	110.00	160.00	225.00

IRON BODY—SCREWED, SPECIAL TRAVERSE

Traverse	Size.....inches	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
6 inches	Price.....each	11.00	13.00	17.50	25.00	30.00	40.00	45.00	55.00	....	....
10 "	"	16.00	19.00	25.00	35.00	42.00	52.00	62.00	80.00	100.00	140.00
12 "	"	18.50	22.00	29.00	40.00	48.00	60.00	70.00	92.50	115.00	160.00
14 "	"	21.00	25.00	33.00	45.00	54.00	67.00	78.00	105.00	130.00	....
16 "	"	23.50	28.00	37.00	50.00	60.00	75.00	86.00	117.50	145.00	....
18 "	"	26.00	31.00	41.00	55.00	66.00	....	94.00	130.00	....	....

IRON BODY—FLANGED, STANDARD TRAVERSE

Size.....inches	2	2 1/2	3	3 1/2	4	4 1/2	5	6
Traverse.....inches	2 1/2	2 1/2	2 3/4	3	3 1/4	3 1/2	4	5
Diameter of Flanges....."	6	7	7 1/2	8 1/2	9	9 1/4	10	11
Price.....each	15.00	16.00	18.50	25.00	30.00	40.00	48.00	55.00

Size.....inches	7	8	9	10	12	14	15	16
Traverse.....inches	6	7	7	7	8	10	10	10
Diameter of Flanges....."	12 1/2	13 1/2	15	16	19	21	22 1/4	23 1/2
Price.....each	80.00	110.00	120.00	175.00	250.00	500.00	550.00	600.00

IRON BODY—FLANGED, SPECIAL TRAVERSE

Traverse	Size...in.	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	10	12
6 in.	Price, each	18.00	20.00	25.00	35.00	40.00	50.00	55.00	65.00	....	....	....	....
10 "	"	23.00	26.00	32.50	45.00	52.00	63.00	72.00	90.00	112.00	150.00	225.00	300.00
12 "	"	25.50	29.00	36.50	50.00	58.00	70.00	80.00	102.50	127.00	170.00	255.00	350.00
14 "	"	28.00	32.00	40.50	55.00	64.00	77.00	88.00	115.00	142.00	190.00	285.00	400.00
16 "	"	30.50	35.00	44.50	60.00	70.00	85.00	96.00	127.50	157.00	210.00	315.00	....
18 "	"	33.00	38.00	48.50	65.00	76.00	....	104.00	140.00	172.00	230.00	350.00	....

The expansion will average about 2 to 3 inches in 100 feet of pipe.

BRASS GAS SERVICE AND METER COCKS STRAIGHTWAY SERVICE COCKS

TEE HEAD



Plate 3051-H

FLAT HEAD



Plate 3052-H

SQUARE HEAD



Plate 3053-H

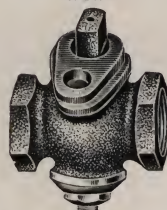
FLAT HEAD, LOCK
WING

Plate 3054-H

TEE HEAD

Size	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price, Standard.....	each	.90	1.00	1.10	1.30

FLAT OR SQUARE HEAD

Size.....	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, Standard....	each	.90	.90	1.00	1.10	1.30	2.10	3.25	4.60	8.00	17.50	27.00

FLAT HEAD—MALE AND FEMALE—Not Illustrated

Size	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Standard.....	each	1.20	1.30	1.55	2.40	3.65	5.45	9.15

FLAT HEAD, LOCK WING

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Standard.....	each	1.20	1.30	1.40	1.60	2.50	3.85	5.35	9.00

STRAIGHTWAY METER COCKS—FLAT HEAD

PLAIN

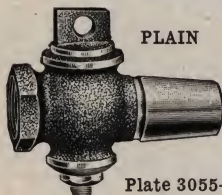


Plate 3055-H

WITH UNION

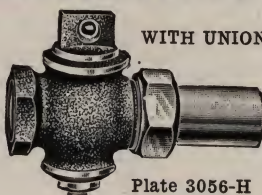


Plate 3056-H

LOCK WING

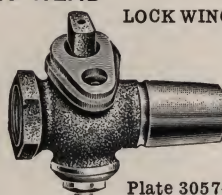


Plate 3057-H

PLAIN

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Standard.....	each	1.00	1.10	1.30	2.10	3.25	4.60	8.00

WITH UNION

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Standard.....	each	1.55	1.70	2.05	3.10	4.65	6.70	10.90

LOCK WING

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Standard.....	each	1.30	1.40	1.60	2.50	3.85	5.35	9.00

WITH UNION AND LOCK WING—Not Illustrated

Size.....	inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Standard.....	each	1.85	2.00	2.35	3.50	5.25	7.45	11.90

BRASS STEAM COCKS AND WRENCHES**BRASS STEAM COCKS****STANDARD****SQUARE HEAD**

Plate 3058-H

FLAT HEAD

Plate 3059-H

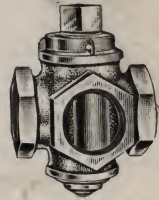
THREE-WAY, WITH CHECK

Plate 3060-H

SQUARE AND FLAT HEAD

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price	each	.85	1.00	1.25	1.70	2.35	3.70	4.85	7.30	14.50	22.50

THREE-WAY SQUARE HEAD—WITH CHECK

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price	each	1.80	2.10	2.50	3.00	3.75	5.75	7.15	11.00	18.75	26.00

"T" HANDLE

Size	inches	1/8	1/4	3/8	1/2	3/4	1
Price	each	.85	.85	1.00	1.25	1.70	2.35

FLAT HEAD—MALE AND FEMALE

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price	each	1.35	1.45	2.00	2.50	3.00	5.35	6.75	9.85

FLANGED—SQUARE OR FLAT HEAD

Size	inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
Diameter of Flanges, inches		3 1/2	4	4 1/2	5	6	7	7 1/2	8 1/2	9	10	11
Price	each	5.50	7.30	9.70	11.75	18.00	27.50	43.00	62.00	84.00	150.00	275.00

These cocks are made to order only.

EXTRA HEAVY SQUARE HEAD

Size	inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price	each	1.40	1.75	1.75	2.40	3.60	6.00	7.75	11.50	23.00	35.00

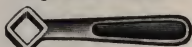
MALLEABLE IRON WRENCHES**SQUARE HEAD**

Plate 3061-H

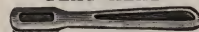
FLAT HEAD

Plate 3062-H

SQUARE HEAD

Number	1	2	3	4	5	6	7	8	9	9	10	10
Size .....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price .....each	.05	.06	.07	.09	.14	.19	.25	.44	.56	.56	1.00	1.00

FLAT HEAD

Number	1	2	3	5	6	7	8
Size .....inches	1½	¾	1	1¼	1½	2	....
Price .....each	.07	.09	.14	.25	.44	.56	1.00

IRON COCKS

For 125 Pounds Working Pressure

STANDARD

SQUARE HEAD



Plate 3063-H

FLAT HEAD



Plate 3064-H

THREE-WAY



Plate 3065-H

STANDARD

Size .....inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
Price, Screwed...each	.90	1.05	1.30	1.60	1.95	2.70	4.40	6.75	12.00	15.50	32.00	45.00	100.00
" Flanged.. "	....	....	2.25	2.75	3.25	4.25	6.25	9.50	15.00	19.00	36.00	50.00	107.00

STANDARD, WITH BRASS PLUG

Size..... inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8
Price, Screwed,each	1.30	1.60	1.90	2.65	3.75	5.25	8.75	13.00	27.50	36.50	67.00	94.00	200.00
" Flanged "	....	....	3.00	3.75	5.00	7.00	10.50	15.75	30.00	40.00	70.00	100.00	210.00

Flat head 1/2 to 2 inches, square head 2 1/2 to 8 inches, will be furnished, unless otherwise ordered.

THREE-WAY SCREWED

Size .....inches	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
Price, All Iron...each	1.65	1.80	2.05	2.65	3.65	5.35	7.50	14.00	19.00	36.50	52.00
" with Brass Washer "	1.80	2.05	2.40	3.05	4.15	6.10	8.50	16.00	22.50	42.50	60.00
" " Plug "	2.20	2.40	3.10	4.50	6.25	9.75	13.75	30.00	40.00	71.50	100.00

These cocks will be furnished with check, when so ordered, at a special price.
Flanged three-way cocks will be furnished to order. Prices on application.

VULCANIZED ASBESTOS PACKED BLOW-OFF COCKS

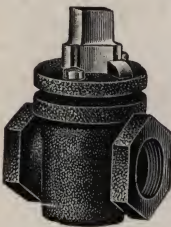


Plate 3066-H

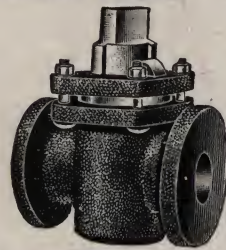


Plate 3067-H

SCREWED OR FLANGED

Size .....inches	* 1/8	* 1/4	* 3/8	* 1/2	* 3/4	1	1 1/4	1 1/2
Price, Standard.....each	1.30	1.30	1.45	1.60	2.10	2.50	3.50	4.75
" Extra Heavy .....	....	....	....	2.40	3.00	3.50	5.00	6.75
Size.....inches	2	2 1/2	3	3 1/2	4	5	6	.....
Price, Standard.....each	7.00	12.00	18.00	27.00	30.00	45.00	60.00	.....
" Extra Heavy	10.00	17.00	26.00	38.00	42.00	60.00	80.00	.....

* Screwed only

AIR COCKS

Steam Metal
T HANDLE

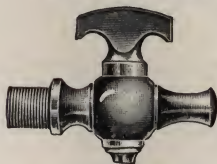
STRAIGHT NOSE

Plate 3100-H

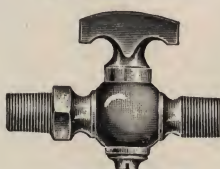
MALE BOTH ENDS

Plate 3101-H

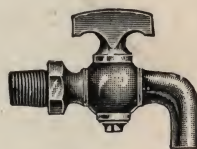
BIBB NOSE

Plate 3102-H

STRAIGHT NOSE

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Price	each	.40	.45	.50	.60	.90	1.15

MALE BOTH ENDS

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Price	each	.55	.65	.75	.90

BIBB NOSE

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Price, Plain Nose	each	.70	.80	.90	1.00
" Threaded Nose	"	.80	1.00	1.10	1.35

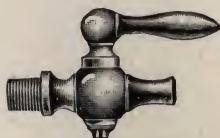
LEVER HANDLE**STRAIGHT NOSE**

Plate 3103-H

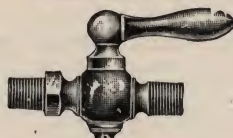
MALE BOTH ENDS

Plate 3104-H

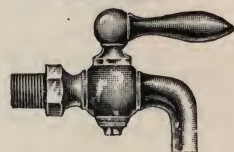
BIBB NOSE

Plate 3105-H

STRAIGHT NOSE

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Price	each	.55	.60	.65	.75	1.05	1.30

MALE BOTH ENDS

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Price	each	.70	.80	.90	1.05

BIBB NOSE

Size	inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Price, Plain Nose	each	.85	.95	1.05	1.15
" Threaded Nose	"	.95	1.15	1.25	1.50

GAUGE COCKS COMPRESSION

PLAIN



Plate 3106-H

WITH STUFFING BOX



Plate 3107-H

PLAIN

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price, Light Pattern.....each	.95	1.00	1.25
“ Standard Pattern.....“	1.10	1.20	1.35

WITH STUFFING BOX

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price, Light Pattern.....each	1.20	1.30	1.45
“ Standard Pattern.....“	1.35	1.50	1.70

COMPRESSION, REGRINDING

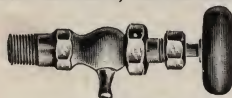


Plate 3108-H

PITTSBURGH, ROTATING



Plate 3109-H

COMPRESSION, REGRINDING

Size.....inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....each	.90	1.05	1.30	1.80

PITTSBURGH, ROTATING

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$
Price.....each	2.00	2.00

MISSISSIPPI, BLANK SHANK



Plate 3110-H

MISSISSIPPI, WITH SPRING



Plate 3111-H

Size, Pipe Thread.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$
“ Blank Shank.....“	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Price, Threaded or Blank Shank.....each	.90	1.20	1.50	1.80
“ with Spring.....“	1.00	1.35	1.70	2.05

BALL

EXCELSIOR



Plate 3112-H



Plate 3113-H

BALL

Size.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....each	1.00	1.00	1.10

EXCELSIOR

Size.....inches	$\frac{1}{2}$ or $\frac{3}{4}$
Price, Plain.....each	4.50
“ with Emergency Valve.....“	6.00

PRESSURE AND VACUUM GAUGES

SINGLE SPRING
PRESSURE



Plate 3114-H

VACUUM

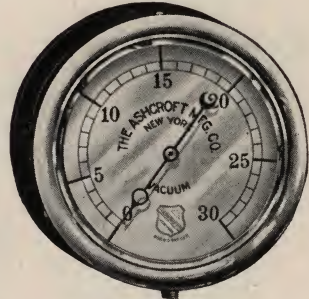


Plate 3115-H

ALTITUDE

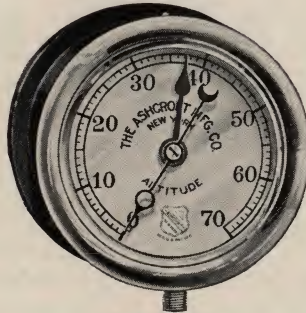


Plate 3116-H

SINGLE SPRING PRESSURE OR VACUUM

Size of Dial.....inches	2½	3	3½	4½	5	5½
Price, Iron Case, Brass Ring.....each	6.00	6.00	7.00	8.00	8.00	10.00
“ “ “ N. P. “	6.15	6.15	7.18	8.20	8.20	10.25
“ Brass Case.....“	8.00	8.00	9.00	10.00	11.00	12.00
“ Nickel-plated Case.....“	8.60	8.60	9.75	11.00	12.00	13.25
Size of Dial.....inches	6	6¾	8½	10	12	.....
Price, Iron Case, Brass Ring.....each	13.00	16.00	22.00	32.00	50.00	.....
“ “ “ N. P. “	13.50	16.60	22.75	33.00	51.50	.....
“ Brass Case.....“	16.00	20.00	30.00	40.00	75.00	.....
“ Nickel-plated Case.....“	17.50	22.00	32.50	43.00	79.00	.....

ALTITUDE

Size of Dial.....inches	4½	5	5½	6	6¾	8½	10	12
Price, Iron Case, Brass Ring.....each	12.00	12.00	14.00	16.00	20.00	30.00	40.00	60.00
“ “ “ N. P. “	12.20	12.20	14.25	16.50	20.60	30.75	41.00	61.50
“ Brass Case.....“	14.00	14.00	16.00	20.00	25.00	40.00	50.00	80.00
“ Nickel-plated Case.....“	15.00	15.00	17.25	21.50	27.00	42.50	53.00	84.00

GAUGE COLUMN COMBINATIONS



Plate 3117-H

These combinations are made up as follows:

No. 1.—One water gauge, No. 1 rough body with two guards; one Bourdon Spring Steam Gauge, 5-inch dial, iron case; three $\frac{3}{8}$ -inch compression gauge cocks, with wood wheel; one pet cock and one syphon with one No. 1 water column.

No. 2.—One water gauge, No. 2 rough body with two guards; one Bourdon Spring Steam Gauge, 5-inch dial, iron case; three $\frac{1}{2}$ -inch compression gauge cocks, with wood wheel; one pet cock and one syphon with No. 2 water column.

No. 3.—One water gauge, No. 7 $\frac{1}{2}$ finished body; one Bourdon Spring Steam Gauge, 5-inch dial, iron case; three $\frac{3}{4}$ -inch compression gauge cocks with wood wheel and stuffing box; one pet cock and one syphon with No. 3 water column.

No. 4.—One water gauge, No. 16 finished body, with four guards; one Bourdon Spring Steam Gauge, 5-inch dial, iron case; three $\frac{3}{4}$ -inch compression gauge cocks, with wood wheel and stuffing box; one pet cock and one syphon with No. 4 water column.

Number.....	1	2	3	4
Price, Complete.....each	10.00	12.00	15.00	18.00

WATER COLUMNS ONLY

Number	Length Over All Inches	C. to C. of Gauge Cocks Inches	C. to C. of Water Gauge Inches	Tapped for Gauge Cocks Inches	Tapped for Boiler Connection Inches	Price Each
1	16 $\frac{1}{2}$	3 $\frac{1}{4}$	12	$\frac{3}{8}$	$\frac{3}{4}$	4.00
2	16 $\frac{1}{2}$	3 $\frac{1}{4}$	12	$\frac{1}{2}$	1	4.00
3	21	3 $\frac{1}{2}$	15	$\frac{3}{4}$	1 $\frac{1}{4}$	6.00
4	21	3 $\frac{1}{2}$	15	$\frac{3}{4}$	1 $\frac{1}{2}$	6.00

WATER GAUGES

No. 0



Plate 3118-H

Nos. 1, 2
AND 3

Plate 3119-H

No. 7½



Plate 3120-H

Nos. 15 AND 16



Plate 3121-H

EXPANSION TANK GAUGES, BRONZED ROUND BODY—Two Guards

Number	0
Size, Thread	inches $\frac{1}{2}$
" Glass	" $\frac{5}{8} \times 12$
Price	each 2.60

WATER GAUGES, BRONZED ROUND BODY—Two Guards

Number	1	2	3
Size, Thread	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
" Glass	$\frac{5}{8} \times 8$ or 10	$\frac{5}{8} \times 12$	$\frac{3}{4} \times 16$
Price, with Iron Wheels	each 2.75	3.00	4.50
" " Wood "	3.50	3.75	5.25

WATER GAUGES, FINISHED ROUND BODY—Wood Wheels, Two Guards

Number	$7\frac{1}{2}$
Size, Thread	inches $\frac{3}{4}$
" Glass	" $\frac{3}{4} \times 16$
Price	each 5.50

WATER GAUGES, FINISHED SQUARE BODY—Wood Wheels, Four Guards

Number	15	16
Size, Thread	$\frac{1}{2}$	$\frac{3}{4}$
" Glass	$\frac{5}{8} \times 12$	$\frac{3}{4} \times 16$
Price	each 6.00	8.00

SCOTCH GAUGE GLASSES, ETC.



Plate 3122-H

Length .....inches	10	11	12	13	14	15	16	17	18
Price, $\frac{1}{2}$ and $\frac{5}{8}$ -in..per doz.	3.00	3.24	3.60	3.84	4.20	4.44	4.80	5.04	5.40
" $\frac{3}{4}$ -inch "	3.60	3.96	4.32	4.80	5.16	5.52	5.88	6.24	6.60
" $\frac{7}{8}$ -inch "	5.04	5.64	6.12	6.60	7.08	7.56	8.16	8.64	9.12
" 1-inch "	6.12	6.72	7.32	7.92	8.52	9.12	9.72	10.32	10.92
Length .....inches	19	20	22	24	30	36	48	60	72
Price, $\frac{1}{2}$ and $\frac{5}{8}$ -in..per doz.	5.64	6.00	6.60	7.20	9.00	10.80	14.52	18.12	21.84
" $\frac{3}{4}$ -inch "	7.08	7.44	8.16	8.88	11.16	13.44	18.00	22.56	27.12
" $\frac{7}{8}$ -inch "	9.60	10.20	11.16	12.12	15.24	18.24	24.36	30.48	36.48
" 1-inch "	11.52	12.12	13.44	14.64	18.24	21.96	29.16	36.48	43.80

60x1 $\frac{1}{4}$ inches, per dozen, 60.00.

RED REFLECTING GAUGE GLASSES

Length .....inches	10	11	12	13	14	15	16	17
Price, $\frac{5}{8}$ inch .....per dozen	4.80	4.80	5.40	5.40	6.00	6.60	7.20	7.80
" $\frac{3}{4}$ inch..... "	6.00	6.60	6.60	6.60	7.20	7.20	7.80	8.40
Length .....inches	18	19	20	22	24	30	36	.....
Price, $\frac{5}{8}$ inch .....per dozen	8.40	9.00	9.60	10.80	12.00	22.00	28.00	.....
" $\frac{3}{4}$ inch "	9.00	9.60	10.20	11.40	12.60	24.00	32.00	.....

SQUARE WASHER

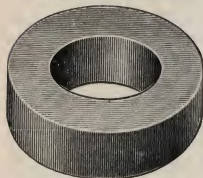


Plate 3123-H

GAUGE GLASS WASHERS

ROUND WASHER



Plate 3124-H

"GILBERT'S" PROTECTOR

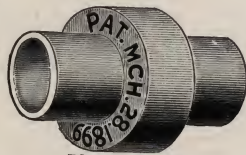


Plate 3125-H

Size .....inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price, Square, Half Round or Round.....per dozen	.25	.25	.35	.50
" Extra Heavy "	.50	.50	.70	1.00
" Gilbert's Self-Packing Protectors.....per box	*.60	*.60	*.60	*.60

*Sizes $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ -inch, packed one dozen in box. 1-inch size, $\frac{1}{2}$ dozen in box.

FAVORITE

GAUGE GLASS CUTTERS

CHESTERTON



Plate 3126-H

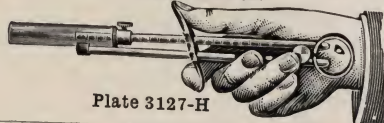


Plate 3127-H

Price, Favorite.....each	.60
" Chesterton..... "	2.00

JET PUMPS AND EJECTORS

JET PUMPS

BLAKESLEE



Plate 3128-H

COLL'S PATENT DEFIANCE



Plate 3129-H

BLAKESLEE

Size of Pump.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Suction Pipe.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Discharge Pipe....."	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Steam Pipe....."	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1
Capacity, per Minute.....gallons	8	15	20	30	40	50	60
Price.....each	8.00	10.00	12.00	14.00	16.00	20.00	24.00

PARTS OF BLAKESLEE JET PUMPS

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, Nuts, Iron.....each	.....	.....	.....	.50	.50	.60	.80	.90
" " Brass....."	.50	.50	.50	.75	.75	1.00	1.50	1.50
" Nipples, Malleable....."	.25	.25	.25	.35	.35	.60	.75	1.00
" Brass....."	.50	.60	.75	.80	1.50	1.75	2.20	2.50
" Combination Pipes, Brass....."	.....	.75	.75	.75	1.00	1.00	1.50	1.50
" Steam Tubes, Brass....."	.....	.25	.50	.50	.60	.60	.75	.75
" Bodies, Iron....."	.....	1.50	2.00	2.20	2.50	2.80	3.00	3.50

COLL'S PATENT DEFIANCE

Size.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6
Suction and Discharge Pipe.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6
Steam Pipe....."	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$
Capacity, per Hour.....gallons	280	350	850	1400	2300	2800	3500	6000	13000	16000
Price.....each	12.00	16.00	25.00	35.00	50.00	65.00	85.00	100.00	150.00	200.00

Based on 50 pounds of steam; guaranteed elevation, 75 feet.

Above prices include strainers.

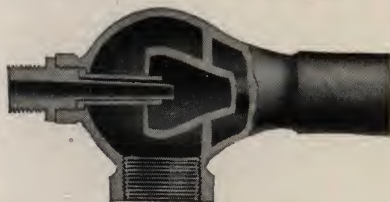


Plate 3130-H

COLL'S PATENT EJECTORS

These ejectors are especially adapted for use on steamboats, steamships and locomotives as well as in mills, mines, factories, tanneries, breweries, etc. Sizes from $\frac{3}{4}$ to 2-inch are made with iron bodies and brass nozzles; $2\frac{1}{2}$ -inch and larger, all iron. When wanted for handling acids they are made of a metal suitable for the purpose. They are also made to be operated by water pressure.

Size.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6
Suction and Discharge Pipe.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6
Steam Pipe....."	$\frac{1}{2}$	$\frac{3}{4}$	1	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2
Capacity, per Hour.....gallons	650	890	1250	1960	3200	5125	8050	9800	13000	16000
Price.....each	8.00	10.00	15.00	20.00	24.00	28.00	32.00	52.00	72.00	96.00
" Cast Iron Strainers only....."	1.00	1.00	1.00	1.50	1.50	2.00	2.50	4.00	5.00	6.00

RUMSEY IMPROVED JET PUMPS

Lifts 22 to 25 Feet. Elevates 25 to 100 Feet, 30 to 100 Pounds Pressure



Plate 3131-H

The lifting and elevating power is so combined in the Rumsey Improved Jet Pump as to make it unquestionably the best device of its kind. The principle and power contained in so small, handy and economical an instrument, continually suggests new uses, which often demand that the tubes of the jet pump be proportioned particularly for the service. We have perfected and can furnish special jet pumps singularly efficient in the work for which they are designed.

REPAIR PARTS

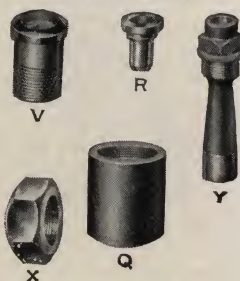


Plate 3132-H

No.	Steam Con- nection Inches	Suction and Dis- charge Inches	CAPACITY, GALLONS PER HOUR						VERTICAL LIFT FEET	PRICE, EACH	
			3-foot Lift		50-foot Elevation	25-foot Elevation					
			STEAM PRESSURE, POUNDS								
			40 to 65	20 to 40 or 65 to 100	40 to 65	40 to 65	40 to 75	25 to 40 or 75 to 100		Brass	Iron Body Brass Jets
1	$\frac{3}{8}$	$\frac{1}{2}$	240	235	120	180	23	20	8.00	.....
2	$\frac{1}{2}$	$\frac{3}{4}$	500	450	250	375	25	22	10.00	.....
3	$\frac{3}{4}$	1	840	700	420	625	25	22	15.00	.....
4	1	$1\frac{1}{4}$	1350	1300	650	950	25	22	20.00	.....
5	1	$1\frac{1}{2}$	1950	1850	975	1450	25	22	25.00	20.00	
6	$1\frac{1}{4}$	2	3500	3000	1750	2600	25	22	35.00	27.50	
*7	$1\frac{1}{2}$	$2\frac{1}{2}$	5700	4350	2500	3750	25	22	50.00	40.00	
*8	2	3	9500	8160	4750	7200	25	22	70.00	50.00	
*9	2	$3\frac{1}{2}$	13600	12400	6800	10200	25	22	105.00	70.00	
*10	$2\frac{1}{2}$	4	18400	17100	9200	13800	25	22	145.00	95.00	

Sizes 5 and 6 will be sent in all brass, unless ordered with iron body and brass jets and steam connection.

*Unless ordered in brass, Sizes 7 to 10, inclusive, will be shipped with iron body, brass jets and steam connection.

TABLE SHOWING SIZE OF BOILERS REQUIRED FOR JET PUMPS

Number of Jet Pump	1, 2, 3	4, 5, 6	7, 8	9, 10
Size of Boiler horse power	2 to 6	8 to 12	15 to 20	25 to 30

REPAIR PARTS

Size Number	1	2	3	4	5	6	7	8	9	10
R—Jet Pump.....each	.25	.35	.45	.55	.60	.80	1.00	1.25	1.50	2.00
Y—Delivery Jet .....	.80	1.00	1.25	1.50	1.75	2.50	4.00	6.00	8.00	10.00
V—Tail Pipe Brass .....	.25	.30	.40	.50	.50	.60	.80	1.00	1.00	1.25
X—Coupling Nut Brass .....	.25	.30	.40	.50	.50	.60	1.25	1.50	1.50	2.00
Strainer .....	.45	.50	.55	.60	.75	1.00	1.50	.....	.....	.....
Q—Regular I. P. Coupling .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

SPECIAL ACID-RESISTING JET PUMPS

While the composition used in the regular stock Rumsey Improved Jet Pump is very efficient against the milder solutions containing acids, this jet pump is made of special anti-acid compositions, which will resist the action of acids as far as it is possible for metal to resist it. Prices on application.

OILERS

PARAGON



Plate 3200-H

CHACE PATTERN



Plate 3201-H

STEEL AND BRASS



Plate 3202-H



Plate 3203-H

PARAGON

Number	0	1	2	3	4	5	6
Diameter of Bottom.....inches	2 $\frac{3}{16}$	2 $\frac{5}{8}$	3 $\frac{5}{16}$	3 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$
Length of Spout"	2 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{3}{8}$	4 $\frac{1}{8}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$
Capacity.....fluid ounces	1 $\frac{1}{4}$	2	4	6 $\frac{1}{2}$	8 $\frac{3}{4}$	11	14
Zinc Bodies, Tin Bottoms and Spouts.....per doz.	2.00	2.25	3.00	3.25	3.75	4.50	5.50
“ “ Brass “ “ Tin Spouts... “	2.25	2.50	3.50	4.00	4.50	5.50	6.50
Add for Copper-plating, net	1.00	1.05	1.30	1.45	1.60	1.75	1.85
“ “ Brass-plating, “	1.15	1.25	1.50	1.65	1.85	2.00	2.10
All Brass..... “	3.00	3.50	4.50	5.25	6.00	7.00	8.50
Copper Bodies, Brass Bottoms and Spouts.... “	3.25	3.75	4.75	5.50	6.25	7.25	8.75

CHACE PATTERN

Number	00	0	1	2	3	4	5	6
Diameter of Bottom.....inches	2 $\frac{1}{16}$	2 $\frac{1}{16}$	2 $\frac{5}{8}$	3 $\frac{5}{16}$	3 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$
Length of Spout"	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	4 $\frac{1}{4}$	4 $\frac{1}{4}$	5	5	5 $\frac{1}{4}$
Capacity.....fluid ounces	3 $\frac{3}{4}$	1 $\frac{1}{4}$	2	4	6 $\frac{1}{2}$	8 $\frac{3}{4}$	11	14
Zinc Bodies, Tin Bottoms and Spouts per doz.	1.00	1.25	1.50	2.00	2.25	2.75	3.50	4.50
“ “ Brass “ “ Tin Spouts.. “	1.25	1.50	1.75	2.50	3.00	3.50	4.50	5.50
Add for Copper-plating, net..... “	.95	1.00	1.05	1.30	1.45	1.60	1.75	1.85
“ “ Brass-plating, “	1.10	1.15	1.25	1.50	1.65	1.85	2.00	2.10
All Brass..... “	....	2.25	2.50	3.50	4.00	4.75	6.00	7.50
Copper Bodies, Brass Bottoms and Spouts “	....	2.50	2.75	3.75	4.25	5.00	6.25	8.00

STEEL AND BRASS

Number, Copper-plated Drawn Steel.....	12	13	13A	14	14A	14AA	14B	15	15A	16
Number, Nickel-plated Drawn Steel.....	N120	N130	N130A	N140	N140A	N140AA	N140B	N150	N150A	N160
Number, Drawn Brass	120	130	130A	140	140A	140AA	140B	150	150A	160
Diameter of Bottom ....inches	2 $\frac{3}{4}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{7}{8}$	3 $\frac{7}{8}$	3 $\frac{7}{8}$	4 $\frac{3}{8}$	4 $\frac{3}{8}$	4 $\frac{3}{8}$
Length of Spout..... “	2 $\frac{1}{2}$	3	5	9	3	5	9	3	5	9
Capacity .....fluid ounces	2 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	9	9	9	13 $\frac{1}{2}$	13 $\frac{1}{2}$	13 $\frac{1}{2}$
Copper-plated Drawn Steel, per doz.	4.50	5.50	6.00	6.50	7.50	8.00	8.50	9.25	9.75	10.50
Nickel-plated “ “	6.50	8.00	8.75	9.20	10.00	10.75	11.25	12.00	13.00	14.00
Drawn Brass	6.50	8.00	8.75	9.20	10.20	10.80	11.20	12.00	13.00	14.00

The 9-inch spout is furnished bent, and the 3 and 5-inch, straight, unless otherwise ordered.

OILER SETS, ENGINEERS' FILLERS, ETC.

OILER SET



Plate 3204-H

ENGINEERS' STEEL SETS, WITH ROUND TRAY

Price, Number C30, Five Pieces, Copper Plated, Including Tray.....	per set	5.00
" " C40, Six " " " " " " " " " " " "	"	7.00
" " N50, Five " Nickel " " " " " " " "	"	7.00
" " N60, Six " " " " " " " " " "	"	10.00

ENGINEERS' STEEL SETS, WITH OVAL TRAY

Price, Number C35, Five Pieces, Copper Plated, Including Tray.....	per set	7.00
" " C45, Six " " " " " " " " " "	"	10.00
" " N55, Five " Nickel " " " " " " " "	"	8.00
" " N65, Six " " " " " " " " " "	"	11.00

ENGINEERS' BRASS SETS

Price, Number 30, Five Pieces of Brass, Including Tray.....	per set	6.00
" " 40, Six " " " " " " " " " "	"	9.00
" " 50, Five " Nickel Plated, Including Tray.....	"	8.00
" " 60, Six " " " " " " " " " "	"	11.00

ENGINEER'S FILLER
Nos. 210-211



Plate 3205-H

TALLOW POT
Nos. 212-213



Plate 3206-H

COPPER PLATED STEEL FILLERS AND TALLOW POTS

Numbers	210	211	212	213
Capacity	1	2	1	2
Diameter	5	6	5	6
Height	5	6	5	6
Price.....	per dozen	20.00	24.00	21.00
			25.00	

INSPECTORS' TORCHES

Number	26
Diameter.....	inches
Height	"
Price, with Brass Cap and Tube	per dozen
	12.00

OILERS

STEEL AND BRASS RAILROAD OILERS

Nos. 10 to 18A

Nos. 100 to 111



Plate 3207-H



Plate 3208-H

NOZZLES



Plate 3209-H

COPPER-PLATED STEEL OILERS

Number.....	10	10½	11	100	101	111
Capacity.....quarts	½	¾	1	½	1	2
Diameter.....inches	3⅜	3¾	4⅛	3⅜	4⅛	5
Height.....“	5	5½	6	6¼	6	8
Nozzle.....“	12	12	18	10	12	14
Price.....per dozen	14.00	16.00	18.00	14.00	18.00	20.00

BRASS OILERS

Number.....	17	18	18A
Capacity.....quarts	½	1	2
Diameter.....inches	3⅜	4⅛	5
Height.....“	5	6	8
Nozzle.....“	12	18	14
Price.....per dozen	18.00	21.00	24.00

COPPER-PLATED NOZZLES

Size.....inches	12	18	10	12	14
For Oilers.....number	10, 10½ and 11		100, 101 and 111		
Price.....per dozen	5.75	7.00	7.00	8.00	9.00

BRASS NOZZLES

Size.....inches	9	12	18	*14
For Oilers.....number	17 and 18			18A
Price.....per dozen	5.00	6.75	7.50	10.00

*With large opening.

PIPE CUTTERS



Plate 3210-H



Plate 3211-H

BARNES

Number.....	1	2	3	4	5	6	6½	7
Cuts Pipe.....inches	1/8 to 1	1/2 to 2	1½ to 3	2½ to 4	4 to 6	6 to 8	8 to 10	9 to 12
Price.....each	4.50	6.00	10.00	20.00	30.00	40.00	45.00	50.00
" Ex. Wheels....."	.25	.30	.40	.50	.75	.75	.75	.75
" " Wheel Pins.....per doz.	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00
" " Hooks.....each	1.75	2.60	4.55	9.50	13.75	20.00	23.00	25.00
" " Slides....."	.75	1.00	2.00	4.50	7.00	8.50	9.50	11.25
" " Nuts....."	.25	.25	....	....	....	....	....	....
" " Handles....."	1.00	1.25	2.25	4.50	7.00	9.25	10.25	11.50

"TRIMO"

Number.....	1	2	3
Cuts Pipe.....inches	1/8 to 1¼	1/2 to 2	1½ to 3
Price.....each	4.50	6.00	10.00
" Extra Nuts....."	.35	.35	.40
" " Wheels or Rolls....."	.30	.30	.40
" " Pins with Cotter Pins.....per dozen	1.00	1.00	1.00
" " Cotter Pins....."	.20	.20	.20
" " Anti-Friction Washers....."	.60	.60	.60
" " Fork Block Carriers.....each	.10	.10	.10
" " Roll Blocks....."	1.25	1.25	2.25
" " Frames....."	2.25	2.50	3.25
" " Handle Screws....."	1.00	1.25	2.00
" " Handles....."	.35	.35	.35
" " Roll Block Pins....."	.03	.03	.03

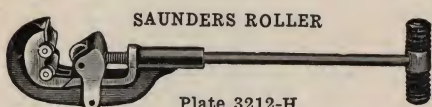


Plate 3212-H

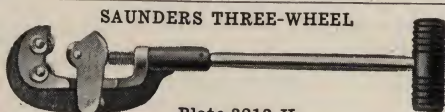


Plate 3213-H

Number.....	1	2	3	4	5
Cuts Pipe.....inches	1/8 to 1	1 to 2	2 to 3	2½ to 4	4 to 6
Price, Roller or Three-Wheel.....each	3.00	4.50	11.00	18.00	28.00
" Extra Wheels....."	.24	.32	.60	.60	.60
" " Block and Wheel....."	1.25	1.75	2.75	3.50	4.00
" " Handles and Screws....."	1.00	1.25	1.75	3.50	5.00
" " Rollers....."	.24	.32	.50	.50	.60
" " Pins....."	.10	.10	.15	.15	.15

RODEFELD



Plate 3214-H

Number.....	*3	3½	4	5
Cuts Wrt. and C. I. Pipe.....inches	1½ to 4	3 to 6	4 to 8	8 to 12
Price.....each	10.00	15.00	24.00	36.00
" Extra Wheels....."	.60	.70	.70	.70
" " Pins....."	.20	.20	.20	.20

*Cuts 4½-inch wrought pipe. Nos. 3 and 3½ have three cutting wheels, and Nos. 4 and 5 have four cutting wheels. Large size cutters shipped direct.

PIPE CUTTERS, TAPS AND REAMERS

BEAVER SQUARE-END PIPE CUTTERS

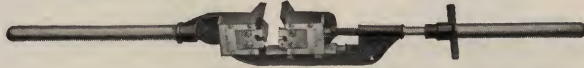


Plate 3215-H

Leaves no burr to ream out, or file off, and makes a square pipe end on which threading dies start easier, last longer and run straight. Will not split the pipe.

Cuts Pipe.....inches	$\frac{1}{8}$ to 1	$\frac{1}{2}$ to 2	$2\frac{1}{2}$ to 4
Price, Complete .....each	18.00	20.00	90.00
“ Extra Knives.....per set	1.20	1.50	2.50

PIPE TAP



Plate 3216-H

PIPE REAMER



Plate 3217-H

Diameter.....inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price, Taps or Reamers .....each	1.12	1.25	1.50	1.87	2.50	3.12	3.75
Diameter.....inches	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	....
Price, Taps or Reamers .....each	4.62	6.25	10.50	15.00	22.00	33.00	....

MUELLER PIPE END REAMERS

No. 1, PLAIN



Plate 3218-H

No. 2, WITH RATCHET

(Patented)



Plate 3219-H

The ratchet used with No. 2 is so constructed that the strain is divided into half a dozen bearings, greatly increasing the durability of the tool. Nos. 1 or 2 ream pipe from $\frac{3}{8}$ to 3 inches, inclusive.

Price, No. 1, Plain .....each	5.00
“ “ 2, with Ratchet.....“	7.50

PIPE BURRING REAMERS

Number	0	1	2
Size .....inches	$\frac{3}{16}$ to $1\frac{3}{16}$	$\frac{7}{32}$ to $1\frac{1}{2}$	$\frac{5}{16}$ to $2\frac{3}{16}$
Reams Pipe.....“	$\frac{1}{8}$ “ 1	$\frac{1}{8}$ “ $1\frac{1}{4}$	$\frac{1}{4}$ “ 2
Price.....each	1.25	1.50	3.00

These reamers can be used with a bit brace or with the reamer handle shown below.

REAMER HANDLES



Plate 3221-H

Price, 14 inches Long Over All.....each	.75
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Will hold any tool with a bit brace shank.



Plate 3220-H

WRENCHES

AGRICULTURAL



Plate 3222-H

BEMIS AND CALL COMBINATION WRENCH
WITH LONG NUT

Plate 3223-H

AGRICULTURAL

Size	inches	6	8	10	12	15
Price, Black	per dozen	10.00	12.00	14.00	17.00	24.00
" Bright	"	12.00	14.00	16.00	19.00	27.00

BEMIS AND CALL COMBINATION WRENCHES

Size	inches	8	10	12	15	18
Takes Pipe	inches	$\frac{1}{4}$ to $\frac{3}{4}$	$\frac{1}{4}$ to 1	$\frac{1}{2}$ to $1\frac{1}{4}$	$\frac{1}{2}$ to $2\frac{1}{4}$	$\frac{1}{2}$ to 3
Price, with Long Nut, Bright or Black	per dozen	23.00	25.25	28.50	40.50	72.00
" " Short "	"	21.00	23.00	26.00	37.00	66.00

MONKEY WRENCHES

"COES" KNIFE-HANDLE



Plate 3224-H

"COES" STEEL HANDLE

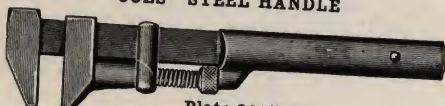


Plate 3225-H

"COES" KNIFE-HANDLE

Size	inches	6	8	10	12	15	18	21
Opens	inches	$\frac{7}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{5}{8}$	3	$4\frac{1}{8}$
Price, Black	per dozen	9.00	10.00	12.00	14.00	24.00	30.00	36.00
" Bright	"	11.50	12.50	15.00	19.00	30.00	36.00	42.00

"COES" STEEL HANDLE

Size	inches	4	6	8	10	12	15	18	21
Price	per dozen	8.00	9.00	10.00	12.00	14.00	24.00	30.00	36.00

All steel wrenches, 12, 15, 18, and 21 inches long are ball-bearing.

COES' ALL STEEL KEY WRENCHES



Plate 3226-H

Size	inches	28	36	48
Opens	inches	$5\frac{1}{8}$	$6\frac{1}{4}$	$9\frac{1}{2}$
Weight	pounds	19	27	62
Price	each	9.75	19.00	47.00

PIPE WRENCHES

"TRIMO"

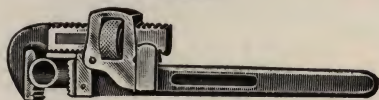


Plate 3227-H

STILLSON

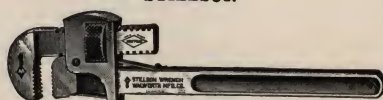


Plate 3228-H

Length, Open.....inches	6	8	10	14	18	24	36	48
Takes Pipe.....inches	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to 2	$\frac{1}{4}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $3\frac{1}{2}$	1 to 5
Price.....each	2.00	2.00	2.25	3.00	4.00	6.00	12.00	18.00

"Trimo," narrow jaw, wood handle, made in 6, 8 and 10-inch sizes only.

Stillson, 6 to 18-inch, wood handle; 8 to 48-inch, steel handle.

REPAIRS—"TRIMO"

FRAME

MOVABLE JAW



Plate 3229-H



Plate 3230-H

INSERTED JAW



Plate 3231-H

NUT



Plate 3232-H

Effective February 1, 1913

Size.....inches	6	8	10	14	18	24	36	48
Price, Movable Jaws.....each	.75	.75	.80	1.00	1.33	2.10	4.75	7.25
" Inserted "....."	.35	.35	.45	.55	.65	.75	1.05	1.35
" Frames....."	.35	.35	.40	.50	.55	.80	1.30	1.50
" Nuts....."	.11	.11	.14	.17	.22	.35	.55	.95
" Springs....."	.03	.03	.03	.03	.04	.04	.04	.04
" Frame Pins....."	.03	.03	.04	.04	.04	.04	.05	.05
" Jaw Pins....."	.03	.03	.04	.04	.04	.04	.05	.05

REPAIRS—STILLSON

JAW



Plate 3233-H

FRAME



Plate 3234-H

HANDLE



Plate 3235-H

NUT



Plate 3236-H

Size.....inches	6	8	10	14	18	24	36	48
Price, Jaws.....each	.75	.75	.80	1.00	1.33	2.10	4.75	7.25
" Frames....."	.35	.35	.40	.50	.55	.80	1.30	1.50
" Wood Handles....."	.16	.16	.18	.25	.28	....	....	....
" Steel "....."	..	.95	1.10	1.45	2.10	3.20	6.40	9.25
" Adjusting Nuts....."	.15	.15	.20	.20	.22	.35	.55	.95
" End Nuts....."	.15	.15	.20	.20	.20	....	....	....
" Springs....."	.10	.10	.10	.10	.10	.11	.13	.13
" Frame Pins....."	.03	.03	.04	.04	.04	.04	.05	.05
" Spring Rivets....."	.01	.01	.02	.02	.02	.02	.02	.02

WRENCHES

PIPE WRENCHES

THE COCHRAN



Plate 3237-H

WESTCOTT



Plate 3238-H

THE COCHRAN

The frame and handle are one solid piece. Rocker replaces frame pin and is indestructible. Will positively not crush nor lock on pipe. No lost motion. Perfect grip and release. Cannot be injured by side pull owing to its solid frame construction. Jaws drop-forged from highest grade of tool steel adapted to use of wrenches.

Size.....inches	6	8	10	14	18	24	36
Range of Pipe Sizes...inches	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to 2	$\frac{1}{4}$ to $2\frac{1}{2}$	$\frac{1}{4}$ to $3\frac{1}{2}$
No. Price, Complete...each	2.00	2.00	2.25	3.00	4.00	6.00	12.00
1 " Hook Jaws.. "	.67	.67	.75	1.00	1.33	2.00	4.00
2 " Inst'd " .. "	.25	.25	.33	.50	.55	.65	1.00
3 Rockers..... "	.26	.26	.28	.40	.50	.65	1.30
4 Nuts..... "	.20	.20	.28	.35	.42	.55	.65
5 Springs..... "	.12	.12	.14	.17	.21	.25	.40

WESTCOTT

Size.....inches	6	8	10	12	14
Takes Pipe.....inches	$\frac{1}{8}$ to $\frac{3}{8}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{1}{8}$ to $1\frac{1}{2}$
Price.....each	.60	.75	1.00	1.25	1.75
" Jaws..... "	.15	.20	.30	.35	.40
" Grips..... "	.25	.35	.40	.50	.60
" Thumbscrews..... "	.10	.12	.15	.15	.20
" Pins..... "	.05	.05	.05	.05	.05

BROCKS' FLANGE WRENCHES

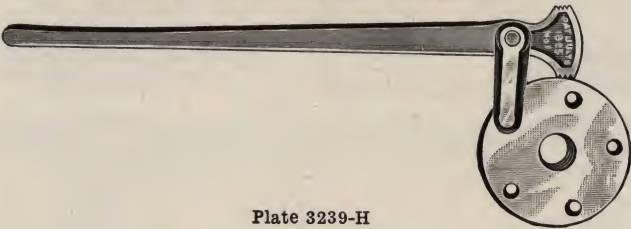


Plate 3239-H

Number.....	1	2	3
Length.....inches	20	27	37
Capacity of Holes.....inch	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Weight.....pounds	3	$6\frac{1}{2}$	$11\frac{1}{2}$
Price.....each	3.00	4.00	5.00

CHAIN TONGS

"VULCAN" CHAIN TONGS

IMPROVED PATTERN, FLAT LINK CHAIN



Plate 3240-H

Made from drop-forged and otherwise wrought steel, fully guaranteed. Are superior because of their reversible jaws. These may be quickly and easily changed end for end as the teeth first in use wear, thus doubling the life of the jaws—a unique feature, the value of which is readily apparent.

The reversible jaws being firmly fastened to the handle by two unusually tough steel studs or bolts, as shown by the illustration, cannot spread in use. One stud provides full working strength of tool; the other to be used for emergencies.

The chains, actually proof-tested to two thirds of their breaking strain, are hand-made from steel manufactured expressly for them; they swing from the center and can be used on either side of the jaws, thus reducing to the minimum the wear upon specific teeth.

The handle design provides for the maximum of strength in the minimum of weight. When ordering, state which chain is desired; flat link chain will be sent, unless otherwise specified.

Number	30	31	32	33	33½	34	35	.....
Length.....inches	13¾	20	27	37	44½	50½	64½	87
Takes Pipe....."	⅛ to ¾	⅛ to 1½	¼ to 2½	¾ to 4	1 to 6	1½ to 8	2 to 12	4 to 18
Price, with Flat Link Chain. each	2.50	3.50	5.00	7.00	9.00	11.00	18.00	40.00
" Cable Chain....."	2.50	3.50	5.00	7.00	9.00	11.00	18.00	40.00
" Extra Flat Link Chains....."	.75	1.00	1.50	2.50	3.25	4.00	6.00	13.00
" Cable Chains....."	.75	1.00	1.50	2.50	3.25	4.00	6.00	13.00
" Jaws.....per pair	1.00	1.75	2.75	4.00	4.75	5.50	7.50	16.00

"AGRIPPA" PIPE AND FITTING TONGS

FOR TIGHT AND NARROW PLACES

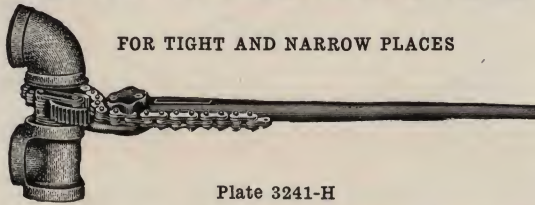


Plate 3241-H

A single narrow jaw tool for tight places and irregularities less well cared for by the broader jaw tools. Reduces greatly the labor in handling of short nipples, flange connections, irregular outlet fittings, drainage fittings, etc. As a one-hand thread starting tool it is peerless.

Number	20	21	22	23	23½	24	25
Length.....inches	13¾	20	27	37	44½	50½	64½
Takes Pipe Fittings....."	⅛ to ¾	⅛ to 1½	¼ to 2½	¾ to 4	1 to 6	1½ to 8	2 to 12
Price.....each	2.50	3.50	5.00	7.00	9.00	11.00	18.00
" Extra Jaws....."	1.00	1.75	2.75	4.00	4.75	5.50	7.50
" Chains....."	1.00	1.25	1.75	2.75	3.75	4.50	6.75

"TRIMO"

FLAT LINK CHAIN

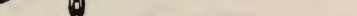


Plate 3242-H

Plate 3243-H

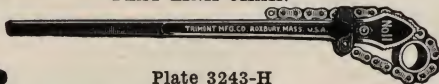


Plate 3242-H

Number.....	10	11	12	13	14	15	16
Length.....inches	14	21	28	40	50	60	70
Takes Pipe....."	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to 2	$\frac{1}{2}$ to 3	$\frac{3}{4}$ to 6	1 to 8	$1\frac{1}{2}$ to 10	2 to 12
Price, with Flat Link or Cable Chain.....each	2.50	3.50	5.00	7.00	9.00	11.00	18.00
" " Extra " " " " ""	.75	1.00	1.50	2.50	3.25	4.00	6.00
" " Jaws.....per pair	1.00	1.75	2.75	4.00	4.75	5.50	7.50
" " Jaw Bolts and Nuts.....each	.20	.20	.20	.20	.25	.25	.30
" " Pins for Fastening Chain....."	.04	.04	.04	.04	.06	.06	.06

"TRIMO GIANT"



Plate 3244-H

Number	2	3	4	5	6
Length.....inches	27	37	50	60	72
Takes Pipe....."	$\frac{3}{4}$ to 3	1 to 4	2 to 6	$2\frac{1}{2}$ to 10	3 to 12
Price.....each	6.00	8.00	9.00	15.00	20.00
" Extra Jaws.....per pair	1.75	2.25	2.75	3.50	4.00
" " Chains.....each	1.75	2.40	3.10	4.90	7.40
" " Bolts and Nuts....."	.20	.20	.25	.25	.30
" " Chain Pins....."	.04	.04	.06	.06	.06

NEW CHAMPION

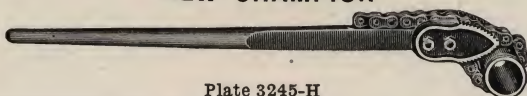


Plate 3245-H

Number.....	0	1	2	3	4	5
Length.....inches	12½	19½	28	38¼	50½	65
Takes Pipe....."	⅛ to ¾	⅛ to 1½	¼ to 2½	¾ to 6	1½ to 8	2 to 12
Price.....each	2.50	3.50	5.00	7.00	11.00	18.00
" Extra Chains.....	.75	1.00	1.50	2.50	4.00	6.00
" Jaws.....per pair	1.00	1.75	2.75	4.00	5.50	7.50

BROCKS NEW STANDARD

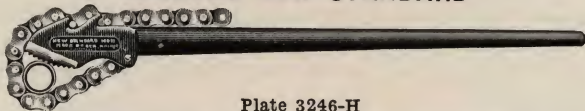


Plate 3246-H

Number	10	11	12	13	13½	14	15
Length	13	20	27	37	44	50	64
Takes Pipe.....	1/8 to 1	1/4 to 2	1/4 to 3	3/4 to 6	1 to 8	1½ to 10	2 to 14
Price	2.50	3.50	5.00	7.00	9.00	11.00	18.00
Extra Chains .....	.75	1.00	1.50	2.50	3.50	4.00	6.00
" Jaws .....	.50	.87	1.37	2.00	2.25	2.50	3.00

WRENCHES, STOCKS AND DIES**BRASS PIPE WRENCHES**

For Polished or Nickel-plated Brass Pipe

HAYDEN

Plate 3247-H

WARNOCK

Plate 3248-H

HAYDEN

Number.....	2	3
Length of Wrench Bar .....inches	10	18
Takes Pipe....."	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1	$1\frac{1}{4}$, $1\frac{1}{2}$ and 2
Price of Wrench Bars (only).....each	1.25	2.50
" " Clamps....."	.75	1.50

WARNOCK

Length.....inches	12	18
Takes Pipe.....inches	$\frac{1}{8}$ to 2	1 to 5
Price, Complete.....each	1.50	2.50
" Extra Straps....."	.25	.50

M. & O.**PARMELEE**

Plate 3249-H

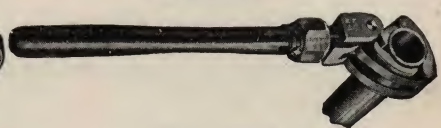


Plate 3250-H

M. & O.

Length of Strap.....inches	12	18
Price.....each	1.00	1.75

PARMELEE

Number.....	1	$2\frac{1}{2}$	4	5
Length of Handle..in.	10	20	25	..
Takes Pipe....."	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1	1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2	2, $2\frac{1}{2}$, 3	3, 4
Price, Complete..each	5.00	7.50	9.50	13.00
" Clamps only... "	.75	1.00 | 1.25	1.50	3.00
" Handles " " "	2.25	3.00	5.00	7.50

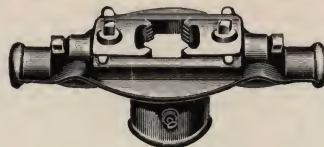
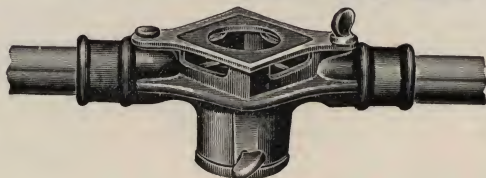
ADJUSTABLE STOCKS AND DIES FOR BRASS PIPE

Plate 3251-H

Price, No. 1, with Dies $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ -inch O. D.....	each	8.00
" " 2, " " $\frac{3}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 and $1\frac{1}{4}$ -inch O. D.....	"	15.00
" " 2, " " and Taps as above.....	"	26.25

PIPE STOCKS AND DIES

MALLEABLE STOCKS AND DIES



WITH LEADER SCREW

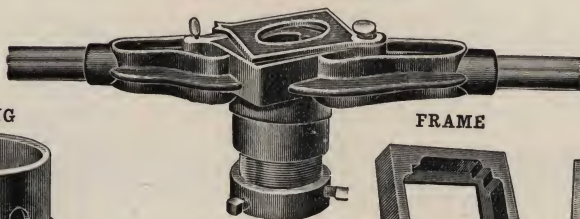
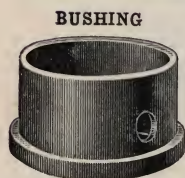
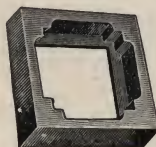


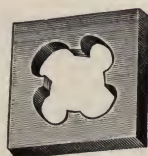
Plate 3252-H



BUSHING



FRAME



DIE

No.	Threads Pipe Inches	Dimensions of Dies Inches	PRICE, EACH				
			Complete	Stocks Only	Extra Dies	Extra Bushings	Extra Die Frames
0	$\frac{1}{8}$ to $\frac{1}{2}$	2 x $\frac{1}{2}$	9.50	3.50	1.50	.25	....
1	$\frac{1}{4}$ " 1	$2\frac{1}{2}$ x $\frac{3}{4}$	15.00	5.00	2.00	.35	.30
$1\frac{1}{2}$	$\frac{3}{4}$ " $1\frac{1}{4}$	3 x $\frac{3}{4}$	13.50	6.00	2.50	.45	.40
$1\frac{3}{4}$	1 " $1\frac{1}{2}$	3 x $\frac{3}{4}$	13.50	6.00	2.50	.45	.40
2	$1\frac{1}{4}$ " 2	4 x $\frac{7}{8}$	20.00	9.50	3.50	.60	.50
3	$2\frac{1}{2}$ " 3	5 x $1\frac{1}{4}$	43.00	25.00	9.00	1.00	.60
4	$2\frac{1}{2}$ " 3	5 x $1\frac{1}{4}$	51.00	33.00	9.00	1.00	.60

Nos. 2, 3, $3\frac{1}{2}$ have leader screw attachment. No. $3\frac{1}{2}$ has four arms.

MILLER'S REVERSIBLE RATCHET STOCKS



Plate 3253-H

No.	Threads Pipe Inches	Dimensions of Dies Inches	PRICE, EACH				
			Complete	Stocks Only	Extra Dies	Extra Bushings	Extra Die Frames
A	$\frac{1}{8}$ to $\frac{3}{4}$	2 x $\frac{1}{2}$	14.50	7.50	1.40	.25	..
B	$\frac{1}{4}$ " 1	$2\frac{1}{2}$ x $\frac{3}{4}$	15.00	7.50	1.50	.25	.22
C	1 " $1\frac{1}{2}$	3 x $\frac{3}{4}$	18.50	13.00	1.80	.35	.30
D	$1\frac{1}{4}$ " 2	4 x $\frac{7}{8}$	20.00	12.50	2.50	.45	.38
E	$2\frac{1}{2}$ and 3	5 x $1\frac{1}{4}$	44.50	29.00	7.75	.85	.45

Nos. C, D and E have leader screws.

NYE "SKIP TOOTH" DIES

IMPROVED SOLID DIES



Plate 3254-H

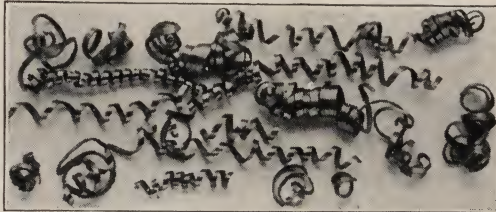
One of the last added and most important improvements in the Nye Die is the newly invented rounded bottom "skip tooth" feature. Previously the teeth which were removed in the Nye Die to form the "skip tooth" feature were cut out squarely at the base or the root line of the chaser, but some little difficulty was found in the breakage of the remaining teeth. It was discovered by experimenting that the square corners at the base of the teeth after being hardened were under a strain.

Toolmakers know by experience that a square corner must be avoided in any hardened or tempered tool, and

according to this law the Nye "skip tooth" feature has now been perfected by rounding out the bottom of the "skip tooth." These rounded bottoms are extended below the root line of the chaser, and they are exactly the same construction as that adopted in all circular saws. The results are twofold:

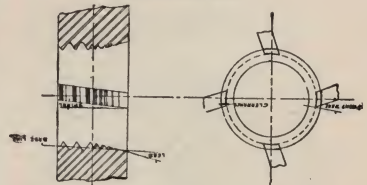
First: The intercepted teeth are much stronger than the ordinary type of die and, in fact, are stronger than the front teeth in the same die.

CHIPS PRODUCED WITH NYE CHASERS



with a lathe tool—the best results are obtained only by cutting the metal out smooth. This will result in long, curling, continuous ribbons of metal. If the metal is removed in small chips or "chunks," the operator of a lathe immediately knows he has not set his tool at the proper angle. The chips produced by the ordinary die are simply small crumbs of metal, whereas the chips produced by the Improved Nye Die are long curling ribbons of metal, as shown in the illustration. We know of no other die on the market that will produce the same results.

SECTIONAL



Secondly: This feature allows far greater clearance for the escapement of chips and oil than can possibly be found in any other construction.

In the Improved Nye Die the chasers are cast into a block of metal, and the angle of rake is controlled by the core boxes which are made absolutely true.

In threading pipe with a die the same condition prevails as in cutting

Cutting Size.....inches	$\frac{1}{8}$	$\frac{1}{4}$ – $\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, $2\frac{1}{2}$, for No. 0 Stock..... each	2.00	2.50	3.00	....	....	....	....	....	....	....
" $2\frac{1}{2}$, " " 1 "..... "	2.00	2.50	3.00	3.00	3.50	....	....	....	....	....
" $3\frac{1}{2}$, for Nos. $1\frac{1}{2}$ and $1\frac{1}{2}$ Stocks.. "	2.50	3.00	3.50	3.50	4.00	4.00	4.50	....	....	....
" $4\frac{1}{2}$, for No. 2 Stock..... "	....	....	4.00	4.00	4.50	4.50	5.00	5.00	....	....
" $5\frac{1}{4}$, " Nos. 3 and 4 Stocks.. "	....	....	....	....	....	....	....	....	13.00	14.00

ADJUSTABLE DIES

For Armstrong or Armstrong Pattern Stocks

Cutting Size.....inches	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to 1	$\frac{1}{2}$ to $1\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{4}$
For Stock.....number	1	2	$2\frac{1}{2}$	$2\frac{1}{2}$
Price.....each	3.50	3.50	5.00	5.00
Cutting Size.....inches	$\frac{1}{2}$ to 2	$2\frac{1}{2}$ x3	$3\frac{1}{2}$ x4	
For Stock.....number	$2\frac{1}{2}$	3	6	7
Price.....each	5.00	5.00	25.00	35.00

*Double end.

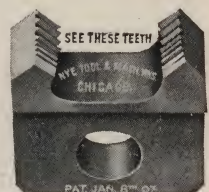


Plate 3255-H

STOCKS AND DIES

TRIO STOCKS AND DIES—FOR PIPE



Plate 3256-H

Number	Size of Dies in Each Set	Price Complete per Set	Price Stocks only Each	Price Dies Each	Price Guides Each	Price Wedges Each
200	1/8, 1/4, 3/8	4.25	1.00	1.00	.25	.15
201	1/4, 3/8, 1/2	4.25	1.00	1.00	.25	.15
210	3/8, 1/2, 3/4	6.00	2.00	1.25	.35	.20
211	1/2, 3/4, 1	6.00	2.00	1.25	.35	.20
220	1/2, 3/4	4.50	2.00	1.25	.35	.20
221	3/4, 1	4.50	2.00	1.25	.35	.20
230	1, 1 1/4	7.25	3.50	2.00	.45	.25
240	1 1/4, 1 1/2	10.50	5.00	3.00	.60	.45
241	1 1/2, 2	10.50	5.00	3.00	.60	.45

ENTERPRISE RATCHET STOCKS

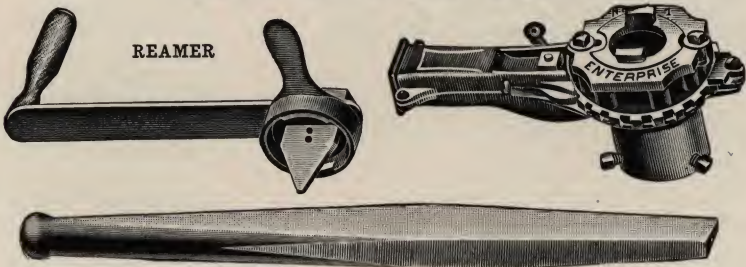


Plate 3257-H

Number	Threads Pipe Inches	Largest Die will Take Inches	Bushings Inches	Price Stocks only Each	Price, Stock and Reamer Com- bined, Each
0	1/8 to 3/4	2 x 2	1/8 to 1/2	8.00	11.00
1	1/4 " 1 1/2	3 x 3	1/4 " 1 1/4	10.00	14.00
2	1/2 " 2	4 x 4	1/2 " 1 1/2	15.00	20.00

DIES FOR ENTERPRISE STOCKS

Number of Stock	0	1	1	2	2
Size of Dies inches	2 x 2	2 x 2	3 x 3	3 x 3	4 x 4
Threads Pipe "	1/8, 1/4, 3/8, 1/2, 3/4	1/4, 3/8	1/2, 3/4, 1, 1 1/4, 1 1/2	1/2, 3/4, 1, 1 1/4	1 1/2, 2
Price each	1.50	1.50	2.50	2.50	3.50

ARMSTRONG'S ADJUSTABLE PIPE STOCKS AND DIES

Nos. 1, 2 AND 3



Plate 3258-H

No. 2½



Plate 3259-H

No.	Number of Dies	Threads Pipe Inches	PRICE, EACH							
			Complete	Stock Only	Extra Dies Right or Left-Hand	Extra Bushings	Extra Collar Screws	Extra Adjusting Screws	Extra Thumb-screws	Extra Wrenches
1	4 Single End	1/8 to 1/2	9.00	3.25	1.25	.20	.12	.10	.10	.25
2	5 " "	1/4 " 1	12.00	4.00	1.50	.25	.12	.10	.10	.25
2 1/2	2 Double " "	1/2 " 1 1/4	12.00	4.50	3.25	.40	.15	.15	.10	.25
3	4 Single " "	1 " 2	24.00	7.00	4.00	.50	.15	.15	.15	.50
3	3 " " "	1 1/4 " 2	20.00	7.00	4.00	.50	.15	.15	.15	.50
6	1 Double " "	2 1/2 " 3	40.00	25.00	15.00	1.00	.25	.20	.....	.50
7	4 " " "	2 1/2 " 4	60.00	30.00	16.00	1.50	.25	.20	.....	.75

Prices for dies are per set of two pieces, except No. 7, which is per set of four pieces. Nos. 6 and 7 have four arms.

RATCHET ATTACHMENT

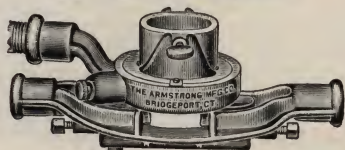


Plate 3260-H

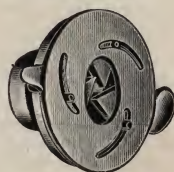
BARD ADJUSTABLE
BUSHING

Plate 3261-H

RATCHET ATTACHMENTS

For Stock Number	2	2½	3	6	7
Price	2.50	3.00	3.50	5.00	5.00

BARD ADJUSTABLE BUSHINGS

Number	1	2	2½	3
For Stocks Threading .....inches	1/2 and Smaller	1 and Smaller	1 1/4 and Smaller	2 and Smaller
Price	4.50	5.00	6.00	8.00

HART'S "BUCKEYE" DIE STOCKS FOR PIPE

No. 23½, WITHOUT CUT-OFF

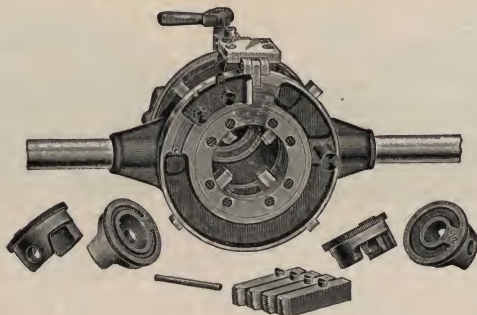


Plate 3262-H

The several distinctive features of these tools are best mentioned in detail.

DIES.—These are made to cut easily by being formed with a short cutting edge and by the automatically expanding movement which they have as they are screwed onto the pipe, and which renders it possible, with such short edges, to produce threads having the taper essential for making tight joints. These cutting edges are furthermore made so as to induce the dies to do their work without the aid of a leader screw. The remarkably small amount of power needed for such dies is explained mostly by the reduction of the friction generated in the case of dies with cutting edges of the usual length.

ADJUSTABILITY OF DIES.—The dies themselves, and the stock are so constructed that a wide range of diameters is covered by one set of dies, a single set being used for 1, 1¼, 1½ and 2-inch pipe, for instance, thus avoiding changes and the care of additional parts.

AUTOMATIC RELEASE OF DIES.—As soon as the dies have been screwed onto the pipe far enough to complete a thread, they stop cutting and release themselves, permitting the immediate removal of a tool from its work.

DIE LEADING DEVICE.—Instead of a leader screw, ordinarily used with the narrow, expanding style of dies, there is a leader ring which automatically causes the dies to start without any hand pressure, and through its employment the thread cutting that a tool is capable of doing, is not limited simply to threads of the same number to the inch, as are on a leader screw, nor to one direction of lead, making it possible to also thread either right or left-handed. There is no reversing of the dies to be done with this device, nor screwing apart of pieces. Its life is many times greater than a leader screw.

Nos. 25, 26 and 26½ are provided with gears which, with the aid of a ratchet wrench, enable all the work to be done by one man, the same as with the smaller sizes. Nos. 24, 28 and 28½ are of a ratchet pattern, especially adapted to work in close quarters.

Number	Pipe Threading Sizes Inches	Number of Sets of Dies	PRICE, EACH		Price, Extra Dies per Single Set
			Without Cut-Off	With Cut-Off	
23	1, 1¼, 1½, 2	1	30.00	35.00	5.50
23½	½, ¾, 1, 1¼, 1½, 2	2	35.00	40.00	5.50
24	1½, 2, 2½, 3	2	80.00	88.00	9.00
25	2½, 3, 3½, 4	1	115.00	125.00	9.00
26	4½, 5, 6	1	220.00	235.00	16.00
26½	2½, 3, 3½, 4, 4½, 5, 6	2	240.00	255.00	16.00
28	1, 1¼, 1½, 2	1	36.00	41.00	5.50
28½	½, ¾, 1, 1¼, 1½, 2	2	41.00	46.00	5.50

Dies for Nos. 23, 23½, 24, 25, 28, and 28½ have four pieces to the set. Those for Nos. 26 and 26½ have six pieces.

BEAVER EASY WORKING DIE STOCKS

STOCK WITH HANDLES

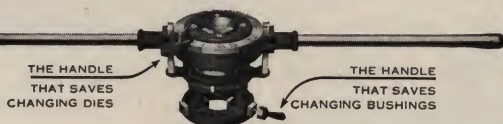


Plate 3263-H



Plate 3264-H

NARROW RECEDING DIE

The narrow receding die used in all Beaver Stocks. The die that makes threading easy.

NO. 25 EASY WORKING DIE STOCKS

Threads all sizes—1, 1¼, 1½ and 2-inch—or variations from standard, without changing dies. It has a universal chuck that centers all sizes—no loose bushings. It is a complete tool—no loose parts. Steel and malleable construction.

Threads Pipe	inches	1 to 2
Shipping Weight, Boxed	pounds	25
Price, Complete	each	30.00
“ Extra Dies, R. H.	per set	3.50

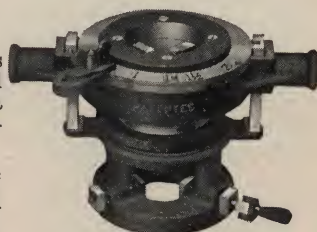


Plate 3265-H

NO. 26 RATCHET DIE STOCKS

Like the No. 25 in construction. It threads all sizes—1, 1¼, 1½ and 2-inch—without changing dies, and has universal chuck for centering pipe.

It has ratchet attachment for cutting in confined places, or can be used as a regular stock.

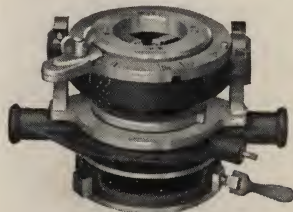


Plate 3266-H

Threads Pipe	inches	1 to 2
Shipping Weight, Boxed	pounds	30
Price, Complete	each	35.00
“ Extra Dies, R. H.	per set	3.50

NO. 30 RATCHET DIE STOCKS

The No. 30 is a special tool, 11½ thread pitch, for oil well casing. It threads pipe 2, 2½ and 3-inch without changing dies. Like all Beaver Tools it is constructed of steel and malleable. It has ratchet attachment, but can be used as a regular tool. Bushings and tool steel grip screw used.

Threads Pipe	inches	2 to 3
Shipping Weight, Boxed	pounds	80
Price, Complete	each	60.00
“ Extra Dies, R. H.	per set	9.00



Plate 3267-H

BEAVER AND WARREN DIE STOCKS

BEAVER EASY WORKING—No. 41

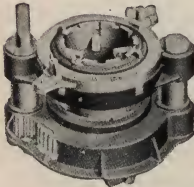


Plate 3268-H

Threads all sizes—2½, 3, 3½ and 4-inch—or variations from standard without changing dies. Steel and malleable construction make it strong and durable. The gears are cut steel and in addition are covered, which protects tool and operator. Threads are easily cut on the pipe in a ditch as well as at the bench. Has bushings and grip screws. A boy can thread 4-inch pipe.

Threads Pipe.....inches	2½ to 4
Shipping Weight.....pounds	100
Price, Complete.....each	110.00
" Extra Dies, R. H.....per set	9.00

BEAVER EASY WORKING—No. 60

No. 60 is of similar construction to the No. 41, except two sets of dies are used to cover the unusually large range. One set cuts 2½, 3 and 3½-inch and the other set cuts 4, 4½, 5 and 6-inch. No tool required to change the dies. One man cuts any size.

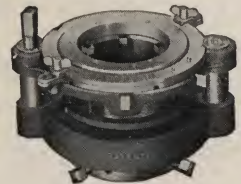


Plate 3269-H

Threads Pipe.....inches	2½ to 6
Shipping Weight.....pounds	200
Price, Complete.....each	220.00
" Extra Dies, R. H.....per single set	14.00

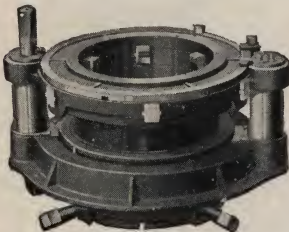


Plate 3270-H

BEAVER EASY WORKING—No. 80

No. 80 is constructed the same as Nos. 41 and 60 and uses two set of dies. One set cuts 4½, 5 and 6-inch and the other set cuts 7 and 8-inch. Steel construction makes light weight and strength. One man can cut an 8-inch thread.

Threads Pipe.....inches	4½ to 8
Shipping Weight.....pounds	230
Price, Complete.....each	300.00
" Extra Dies, R. H.....per single set	20.00

No. 6 "BEAVERETTE"

Two sets of wide non-receding chaser dies (¼, ⅜, ½ and ¾-inch, to cover the two thread pitches) are held in the stock and operated by a single cam. No changing, and are adjustable. Provided with cam centering device.

Threads Pipe.....inches	¼, ⅜, ½, ¾
Price.....each	15.00
" Extra Dies, R. or L.	
⅛, ¼ and ⅜, or ½ and ¾-inch, per set	3.00



Plate 3271-H



Plate 3272-H

WARREN

Number.....	120	121	122	123
Threads Pipe.....inches	¼, ⅜	½, ¾	1, 1¼	1½, 2
Price.....each	6.50	7.00	8.00	10.00
" Extra Dies, R. or L. per set	1.50	1.60	2.00	2.50

Each Warren Die Stock threads two sizes of pipe without changing dies. Sturdy, adjustable tools, bushings for each size pipe.

TOLEDO ADJUSTABLE PIPE THREADING DEVICES

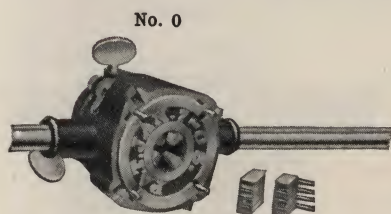


Plate 3273-H

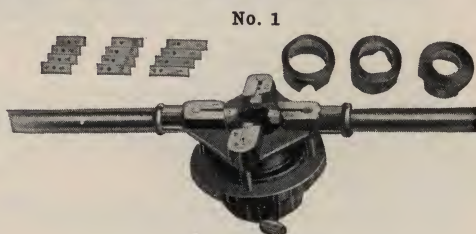


Plate 3274-H

No. 0 is an exceedingly popular little tool. It cuts $\frac{1}{2}$ and $\frac{3}{4}$ -inch threads with one set of dies; $\frac{1}{4}$ and $\frac{3}{8}$ -inch threads with another set, and $\frac{1}{8}$ -inch threads with another set. It differs from all other tools of the same capacity in that it uses the receding-die principle for threading $\frac{1}{2}$ and $\frac{3}{4}$ -inch pipe, thus making it the easiest operating tool in existence on these two sizes. It is very light and compact, being only 24 inches long from tip to tip of the handles.

No. 1 is, and has been for a number of years, the most popular threading device in existence. It threads 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2-inch pipe. It is perfectly easy for one man to cut 2-inch threads with same. It is made both as a right-hand and a left-hand tool—neither will do both. Right-hand furnished unless otherwise specified.

WITH RATCHET

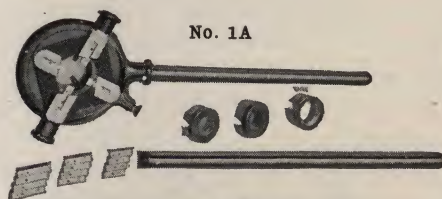


Plate 3275-H

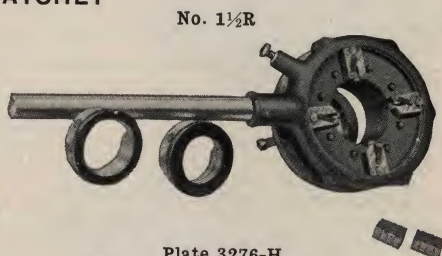


Plate 3276-H

No. 1A is in every essential like the No. 1, except that it is equipped with a ratchet. It may be used with two handles as an ordinary die stock, or with one handle inserted in the ratchet case. It is desirable for threading pipe down a trench, or against walls, between rafters, etc. It is an extremely easy operating tool. A boy can thread 2-inch pipe with it. It is made both as a right-hand and a left-hand tool—neither will do both. Right-hand furnished unless otherwise specified.

No. $1\frac{1}{2}$ R is offered for those who do not require to thread pipe larger than 3-inch, and who do not want to invest as much money as the Toledo No. 2 costs. Its capacity is limited to two sizes of standard pipe, viz., $2\frac{1}{2}$ and 3-inch of 8 thread. It is direct-acting and, therefore, does not operate as easily as the No. 2 tool, which is geared. Nevertheless, the man who has only been accustomed to the older wide-die tools will be astonished at the ease with which this tool will thread pipe. Can also be furnished with a capacity of 2, $2\frac{1}{2}$ and 3-inch threads, of $11\frac{1}{2}$ thread for drive well pipe, when so ordered, at same price.

Number	0	1	1A	$1\frac{1}{2}$ R
Threads Pipe.....inches	$\frac{1}{8}$ to $\frac{3}{4}$	1 to 2	1 to 2	$2\frac{1}{2}$, 3
Number of Sets of Dies to Stock	3	4	4	$2\frac{1}{2}$
Price, Complete	16.00	24.00	30.00	50.00
“ Dies, per Set of Four Segments	2.50	2.50	2.50	4.00

*For 8 thread tool. When furnished $11\frac{1}{2}$ thread there are three sets.

TOLEDO GEARED ADJUSTABLE PIPE THREADING DEVICES

No. 2

This tool is light, compact and extremely easy in operation. A boy can thread 4-inch pipe with it. Neither is the ease of operation obtained in any way at the expense of speed.

A 4-inch thread may be completed in 10 minutes without undue effort.

A 4-inch thread has been cut in 6 minutes.

Complete with dies, ratchet and driving cross.

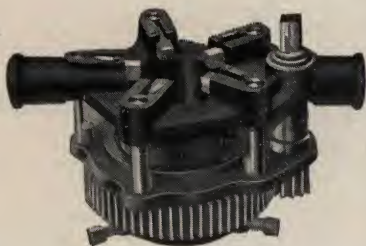


Plate 3277-H

No. 3

One man can readily cut an 8-inch thread with the No. 3 machine, and the ease of operation is not obtained at the expense of speed. No other similar tool operated by hand works so rapidly.

Its net weight is 155 pounds. With clearance in other directions it may be operated on a pipe, the center of which is within 10 inches of a wall or other obstruction.

It is light, compact and extremely easy in operation. Complete with dies, ratchet and driving cross.

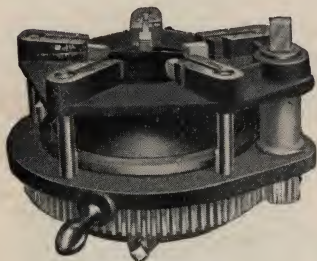


Plate 3278-H

No. 4

This tool will be appreciated by the engineers of large power plants, superintendents of pipe lines, and in all fields where it is desirable and necessary occasionally to cut threads on large size pipe.

It may be put on a pipe in a line, or well, any place in fact, and the work easily accomplished.

It takes two men to put the tool on the pipe, but after it is on, one man can do the work of cutting the thread. Complete with dies, ratchet and driving cross.

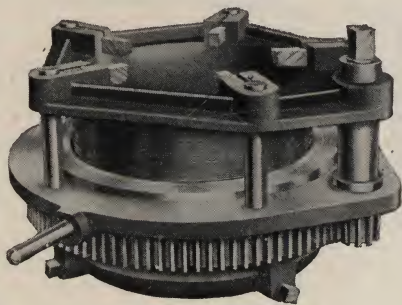


Plate 3279-H

Number.....	2	3	4
Threads Pipe	2½ to 4	4½ to 8	9, 10, 12
Net Weight	60	155	225
Number of Sets of Dies to Stock.....	4	5	3
Price, Complete	100.00	300.00	500.00
“ Extra Dies, per Set of Five Segments.....	8.00	12.00	20.00

TOLEDO ADJUSTABLE PIPE THREADING DEVICES

NOS. 10 AND 10A

No. 10

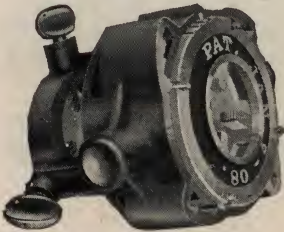


Plate 3280-H

No. 10A RATCHET



Plate 3281-H

These devices are offered for those who desire tools that are entirely self-contained, threading the entire range of sizes with one set of dies. While this is not the best practice from a mechanical standpoint, yet these tools have the very desirable quality of being exceedingly simple. There is no cam die-shifting mechanism, nor other intricate parts.

The dies are easily and positively set for any given size. The same die-receding principle that has made the Toledo No. 1 model such a wonderful tool, is utilized, and it threads pipe with very little effort—one man can thread 2-inch pipe easily.

The No. 10A is identical with the No. 10, except that it has a ratchet attachment.

NO. 25

This model differs from other Toledo Tools of similar capacity in that it is constructed to utilize but one set of dies for threading the entire range of sizes (seven). The adjustment of the dies is not accomplished by the use of a cam plate, and the weakness of that form of construction has therefore been eliminated. Two sets of dies are furnished with this model so that when one set is dull and needs grinding, another set will be in hand to take its place.

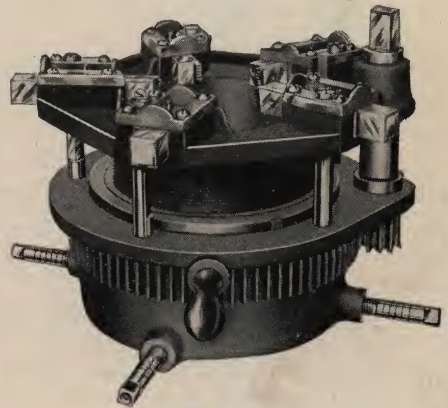


Plate 3282-H

Number	10	10A	25
Threads Pipe	1 to 2	1 to 2	2½ to 6
Net Weight	16½	22	125
Price	28.00	34.00	*230.00
" Extra Dies	2.75	2.75	8.00

*Complete, with dies, ratchet and driving cross.

OSTER BULLDOG DIE STOCKS

REGULAR STOCK



Plate 3283-H

RATCHET STOCK

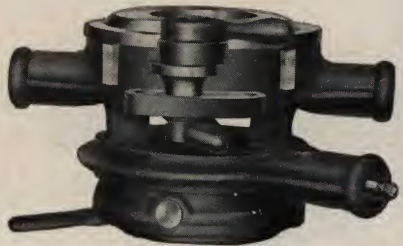


Plate 3284-H

This line of stocks has a positive setting arrangement without the use of any thumbscrews or friction clamps of any kind. The dies are controlled by the lever handle on top, as shown in illustration. By moving this handle to the right as far as it will go, the dies are set and held in place while cutting. One movement of the top lever handle will open or close the dies. No resetting or backing off the threads.

The tool is equipped with adjustable guides which do away with loose bushings. These guides are operated on a scroll and can be set for all sizes the tool will thread. The scroll is constructed so that the guides are held in any position without locking. The more pressure on the ends of the guides, the more solid the locking arrangement. Great pressure on the ends of the guides only tends to lock them more firmly in position.

RANGE OF SIZES OF PIPE, INCHES				REGULAR STOCKS		RATCHET STOCKS		Extra Dies per Set (4 Pieces)
One Set	One Set	One Set	One Set	No.	Price Each	No.	Price Each	
$\frac{1}{8}$	$\frac{1}{4}$ and $\frac{3}{8}$	$\frac{1}{2}$ and $\frac{3}{4}$	.....	101	13.00	.....	.....	1.50
$\frac{1}{4}$ and $\frac{3}{8}$	$\frac{1}{2}$ " $\frac{3}{4}$	1 " $1\frac{1}{4}$	.....	102	17.00	102 R	20.00	1.75
1 " $1\frac{1}{4}$	$1\frac{1}{2}$ " 2	.....	.....	103	22.00	103 R	27.00	2.00
$\frac{1}{2}$ " $\frac{3}{4}$	1 " $1\frac{1}{4}$	$1\frac{1}{2}$ and 2	.....	104	25.00	104 R	30.00	2.00
$\frac{1}{4}$ " $\frac{3}{8}$	$\frac{1}{2}$ " $\frac{3}{4}$	1 " $1\frac{1}{4}$	$1\frac{1}{2}$ and 2	104 $\frac{1}{2}$	28.00	.....	.....	2.00
$1\frac{1}{2}$ " 2	$2\frac{1}{2}$ " 3	.....	.....	105	40.00	105 R	50.00	3.00
1 " $1\frac{1}{4}$	$1\frac{1}{2}$ " 2	$2\frac{1}{2}$ and 3	.....	105 $\frac{1}{2}$	43.00	105 $\frac{1}{2}$ R	53.00	3.00
$2\frac{1}{2}$ " 3	$3\frac{1}{2}$ " 4	.....	.....	106	55.00	106 R	60.00	3.50
$1\frac{1}{2}$ " 2	$2\frac{1}{2}$ " 3	$3\frac{1}{2}$ and 4	.....	106 $\frac{1}{2}$	58.50	106 $\frac{1}{2}$ R	63.50	3.50

BULLDOG DIE STOCKS, NO. 81

This tool has brand new features. The double end dies ($\frac{1}{4}$ and $\frac{3}{8}$ -inch on one end— $\frac{1}{2}$ and $\frac{3}{4}$ -inch on the other) are protected by a casing; hence teeth cannot cut user's hands or be damaged when stock is thrown about.

The dies have a stop on each side so that they cannot be set beyond proper place in stock.



Plate 3285-H

Price, Complete, Cutting $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch.....	each	13.00
" Extra Dies, Right or Left	per set (four pieces)	3.00
" " for $\frac{1}{8}$ -inch Dies	" " " "	2.00

OSTER DIE STOCKS AND PIPE MACHINES

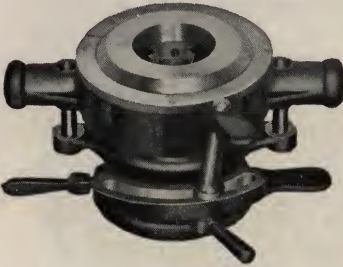


Plate 3286-H

MATCHLESS DIE STOCKS

Threads 1 to 2-inch Pipe with One Set of Dies

Receding dies. No loose bushings. No change of dies. No change of guides. Easy cutting dies. Protected leader screw.

Number.....	3B	*3BR
Weight..... pounds	20	26
Price, Complete..... each	30.00	35.00
" Extra Dies..... per set	2.00	2.00

*Ratchet.

LIGHT HAND MACHINES

With adjustable centering chuck. These are portable pipe tools. Can be used as a die stock, as a bench tool, or complete with tripod stand. Strictly a one-man outfit.

These tools have no leader screw; the dies are started with a lever handle. One movement of the lever brings the head to position for the next cut without backing over the finished threads. No pipe vise required.

Number	16	17
Threads Pipe inches	2 1/2 to 4	2 1/2 to 6
Shipping Weight, with Bracket. pounds	290	420
" " Tripod.. "	370	530
Sets of Dies.....	1	4
Price, with Bench Bracket.... each	110.00	185.00
" " Tripod..... "	125.00	200.00
" Extra Dies.... per set of four pieces	4.00	5.00

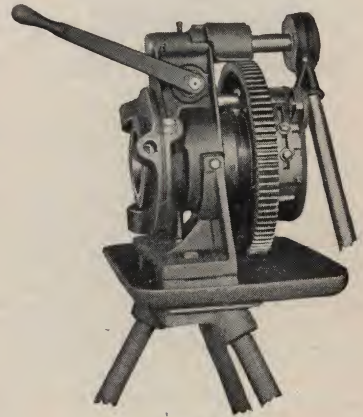


Plate 3287-H

Nos. 204 AND 206

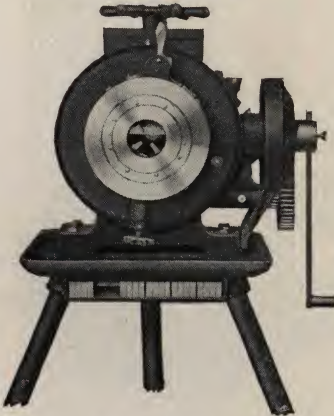


Plate 3288-H

HAND MACHINES

The dies in these machines are self-locking with one movement of the setting handle. Throw it one way and the pipe is released; throw it the other way and the dies are set to same size. The dies thread two sizes without change. Vise is self-centering and straight threads are assured. Gears are all machine cut and entirely protected from chips or accidents.

Number	*201	204	206
Threads and Cuts off Pipe.... inches	1/4 to 2	1 to 4	1 to 6
Sets of Dies.....	4	4	6
Price, with Tripod and Pan..... each	70.00	150.00	250.00
Deduct for Tripod	7.00	10.00	25.00
" " Oil Pan	3.00	4.00	6.00
Extra Dies, R. or L., per set of four pieces	3.00	4.00	5.00

*No. 201 does not have a cutting-off attachment.

OSTER PIPE AND NIPPLE MACHINES

Nos. 300A TO 306A
BELT-DRIVEN

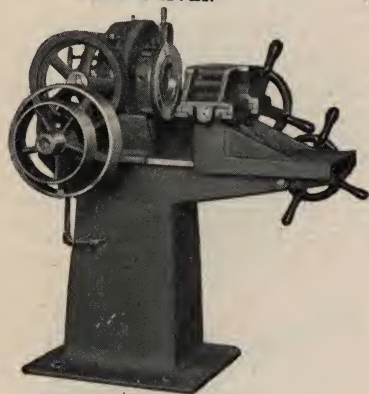


Plate 3289-H

Nos. 300B TO 306B
MOTOR-DRIVEN



Plate 3290-H

These machines perform every one of the many pipe threading jobs in ordinary use, pieces long or short, straight or bent, over or under size, nipples any length, and all thread nipples.

Every operating part is right under the hand, so that not a moment is wasted in useless action of the operator. Without changing his position, he sees the work of the threading dies at all times. Quick results are given by the lever controlled die head, which is released and reset instantly after the thread is finished. The vise grips the work by a single turn of the wheel, bringing it to an absolute center. All bearings are large and the vise has no chance of getting out of alignment with the center of the dies.

An automatic die release can be added to these machines, designed for cutting all threads equal length. It can be set to cut any length thread desired.

Number	Description	Range of Sizes	Sets of Dies	Price Each	Price Extra Dies	Shipping Weight Pounds
300 A	Belt-Driven	$\frac{1}{4}$ to 2-inch Pipe	4	200.00	3.00	800
304 A	" "	1 " 4 " "	4	300.00	4.00	1400
306 A	" "	$1\frac{1}{4}$ " 6 " "	6	425.00	5.00	2240
308 A	" "	$2\frac{1}{2}$ " 8 " "	6	800.00	10.00	4200
300 B	Motor-Driven	$\frac{1}{4}$ " 2 " "	4	300.00	3.00	1000
304 B	" "	1 " 4 " "	4	450.00	4.00	1700
306 B	" "	$1\frac{1}{4}$ " 6 " "	6	600.00	5.00	2600
308 B	" "	$2\frac{1}{2}$ " 8 " "	6	1000.00	10.00	4600

NO. 308A PIPE MACHINE

This machine has been designed to make it easy to center long pieces of heavy pipe.

The jaws are operated by the handwheel at the top of the vise, and both jaws are moved simultaneously by right and left-hand screws, thus centering large or small pipe accurately and quickly. To hold the full length of pipe level with the vise, an auxiliary universal centering chuck, placed in the rear of the bed, is provided; this chuck centers all sizes within range of the machine, acting as a guide and taking the place of a detached pipe rest.



Plate 3291-H

FORBES PIPE CUTTING AND THREADING MACHINES WITH OPENING AND ADJUSTABLE DIES

FOR HAND, No. 56

FOR HAND OR POWER, No. 94

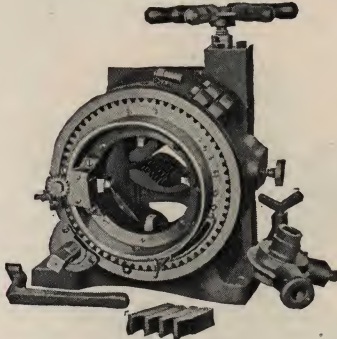


Plate 3292-H

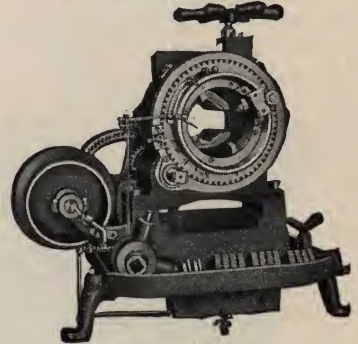


Plate 3293-H

HAND MACHINES				HAND OR POWER MACHINES			
Number	Threads Pipe, Inches	Approx. Net Wt., Lbs.	Price Each	Number	Threads Pipe, Inches	Approx. Net Wt., Lbs.	Price Each
*30	1/4 to 2, R. and L...	155	50.00	*70	1/4 to 2, R. and L...	376	100.00
*32	For Solid Dies, 1/4 to 2, Dies not Furnished..	140	45.00	*72	For Solid Dies, 1/4 to 2, Dies not Furnished..	352	95.00
*34	1 to 3, R. H., 1 to 2, L. H.....	185	75.00	*74	1 to 3, R. H., 1 to 2, L. H.....	491	125.00
*36	3/4 to 3, R. H., 3/4 to 2, L. H.....	190	85.00	*76	3/4 to 3, R. H., 3/4 to 2, L. H.....	484	135.00
*37	1/4 to 3, R. and L...	200	105.00	*77	1/4 to 3, R. and L...	490	155.00
*38	1 1/2 " 4, R. H.....	251	100.00	*78	2 1/2 " 4, R. H.....	652	140.00
*40	1 1/2 " 4, R. and L...	257	115.00	*80	1 1/2 " 4, R. H.....	644	150.00
*42	1 " 4, R. H.....	253	110.00	*82	1 1/2 " 4, R. and L...	665	165.00
*44	1 " 4, R. and L...	260	130.00	*84	1 " 4, R. H.....	641	160.00
†46	2 1/2 " 4, R. H.....	237	85.00	*86	1 " 4, R. and L...	648	180.00
†50	4 " 6, R. H.....	341	115.00	†88	4 " 6, R. H.....	758	170.00
†52	3 1/2 " 6, R. H.....	341	130.00	†90	3 1/2 " 6, R. H.....	802	180.00
†54	2 1/2 " 5, R. H.....	343	150.00	†92	2 1/2 " 5, R. H.....	810	200.00
†56	2 1/2 " 6, R. H.....	345	175.00	†94	2 1/2 " 6, R. H.....	800	225.00
*58	1 " 6, R. H.....	384	190.00	*95	2 1/2 " 6, R. and L...	818	255.00
*60	1 " 6, R. and L...	404	235.00	*96	1 " 6, R. H.....	860	250.00
*61	2 1/2 " 6, R. and L...	398	205.00	*98	1 " 6, R. and L...	881	285.00
†62	2 1/2 " 6, Ex. Hy.....	815	300.00	*98 1/2	1 " 8, R. H.....	1359	535.00
*63	2 1/2 " 8, R. and L...	661	360.00	*99	2 1/2 " 8, R. and L...	1326	535.00
†64	2 1/2 " 8, R. H.....	673	325.00	*99 1/2	1 " 8, R. and L...	1370	570.00
*65	1 " 8, R. H.....	671	360.00	†100	2 1/2 " 8, R. H.....	1500	500.00
*65 1/2	1 " 8, R. and L...	660	395.00	†102	2 1/2 " 10, R. H.....	2025	700.00
†66	2 1/2 " 10, R. H.....	989	500.00	*104	2 1/2 " 10, R. H.....	2150	700.00
*67	2 1/2 " 10, R. H.....	995	500.00	*106	2 1/2 " 10, R. and L...	2200	750.00
*68	2 1/2 " 10, R. and L...	1025	550.00	†107	2 1/2 " 12, R. H.....	3725	900.00
†69	2 1/2 " 12, R. H.....	2293	650.00	*108	2 1/2 " 12, R. and L...	4156	1000.00
*69 1/2	2 1/2 " 12, R. and L...	2525	750.00	*120	4 " 15, R. H.....	5990	1500.00

*Pressure feed machines. †Lead screw machines.

Numbers 30 to 37 and 70 to 77 have no cut-off attachment, unless specially ordered.

The prices of hand or power machines include countershaft, ratchet wrench and pipe rest.

MERRELL PIPE THREADING MACHINES

COMBINATION HAND AND POWER

Nos. 5½ AND 6½

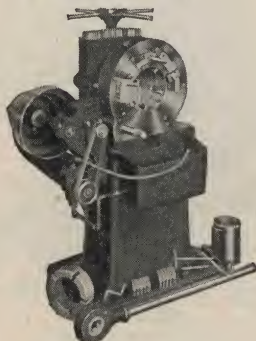


Plate 3294-H

COMBINATION HAND AND POWER

Nos. 9½ AND 11½

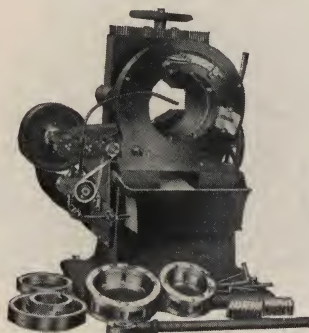


Plate 3295-H

PORTABLE, HAND Nos. 5, 6, 9 AND 11

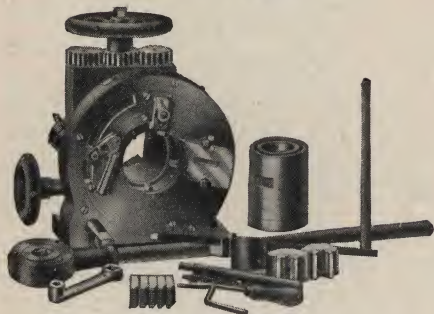


Plate 3296-H

Nos. 5½ and 6½ are portable hand machines mounted on base and driven by compound gears with cone pulley, and are so arranged that either hand or power can be used at will, or they can be readily taken from their base and used as portable hand machines.

Nos. 9½ and 11½ are of the same construction as the Nos. 5½ and 6½, but have larger capacities.

Nos. 5, 6, 9 and 11 are excellent die stocks for hand operation.

Power is applied by either crank or ratchet lever to the shaft of the pinion which engages the geared wheel enclosing the dies. The gears are completely housed from dust, and chips can not enter any part of the machine, to its detriment.

No.	Threads Pipe R. H. Inches	Speed of Counter- shaft R. P. M.	Tight and Loose Pulleys Inches	Machine Pulley Belt Inches	Weight Pounds	Price Each	Price Extra Chasers per Set	Price Oil Pump Each	*Price Counter- shaft Each
5½	1 to 4	300	12x3	2	725	200.00	5.00	20.00	10.00
6½	1 " 6	300	12x3	2½	1310	300.00	5.00	20.00	10.00
9½	2½ " 8	300	12x3	2½	1540	550.00	8.00	....	10.00
11½	4 " 12	300	14x5	4	3300	1200.00	18.00	....	15.00
5	1 " 4	....	....	....	275	100.00	5.00	....	....
6	1 " 6	....	....	....	390	190.00	5.00	....	....
9	2½ " 8	....	....	....	740	350.00	8.00	....	....
11	4 " 12	....	....	....	1500	900.00	18.00	....	....

*Countershaft for cutting left-hand threads; regular countershaft is included in price of machine.

MERRELL PIPE THREADING MACHINES

COMBINATION HAND AND POWER MACHINES

MOTOR DRIVE

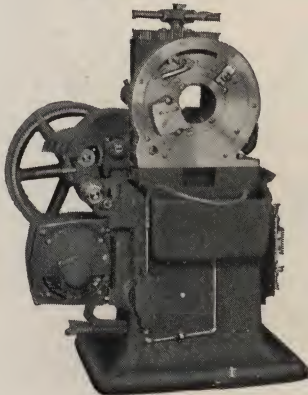


Plate 3297-H

GAS ENGINE DRIVE

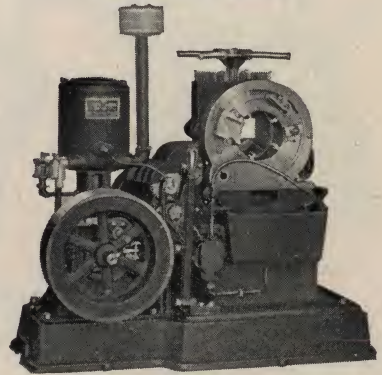


Plate 3298-H

Machines can be run either right or left. Have quick opening and closing die heads and cutting-off knife. Also provided with hood which protects the gearing completely.

These machines can be readily converted into portable hand machines by removing the head from the base.

No.	Threads Pipe Inches	No. of Chasers	PRICE, EACH	
			Motor Drive	Gas Engine Drive
5½	1 to 4	5	375.00	400.00
6½	1 " 6	5	550.00	550.00
9½	2½ " 8	6	750.00	750.00
11½	4 " 12	8	1500.00	1400.00

Prices include motor or engine, oil pump, etc.

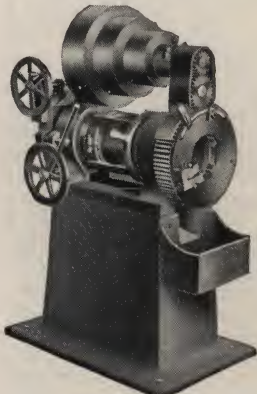


Plate 3299-H

POWER MACHINES, Nos. 8 AND 12

These machines have the Merrell Standard Quick-Opening and Closing Die Head, with convenient cam movement and improved cutting-off knife.

No.	Threads Pipe Inches	Price Each	Price Extra Dies per Set	Price Extra Casing Dies per Set	Price Countershaft Each
8	1 to 6	500.00	5.00	6.00	10.00
12	2½ " 8	900.00	8.00	10.00	15.00

Price includes countershaft, three sets of dies, right-hand, oil pump and rear rest.

Price of dies is for either right or left-hand dies.

Price of casing dies includes set of six.

Extra countershaft price for cutting left-hand threads.

PIPE VISES

MALLEABLE
HINGED

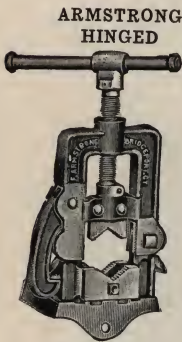


Plate 3300-H

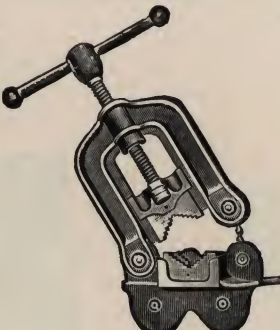


Plate 3301-H

STEEL
SEVEN-POUND

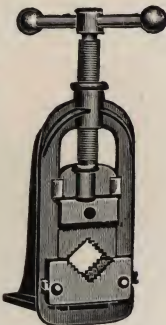


Plate 3302-H

ARMSTRONG, HINGED

Number	0	1	2	3
Holds Pipe.....inches	$\frac{1}{8}$ to $2\frac{1}{2}$	$\frac{1}{8}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $4\frac{1}{2}$	1 to 6
Price, with Steel Jaws.....each	8.00	10.00	20.00	30.00
“ Upper Jaws.....“	.40	.50	.75	2.00
“ Lower “.....per pair	.80	1.00	1.50	4.00
“ Bases.....each	1.30	1.50	3.00	3.50
“ Hinge Bolts.....“	.10	.10	.15	.15
“ Hooks.....“	.30	.50	1.00	1.25
“ Tops.....“	1.30	1.50	3.00	3.25
“ Hook Rivets.....“	.05	.05	.10	.10
“ Screw and Handle.....“	.90	1.00	1.50	2.00
“ Screws.....“	.70	.75	1.00	1.50
“ Slides.....“	.20	.30	.60	.75
“ Lower Jaw Bolts.....“	.10	.10	.15	.20
“ Upper “ Rivets.....“	.05	.06	.12	.15

MALLEABLE, HINGED

Number	1	2
Holds Pipe.....inches	$\frac{1}{8}$ to 2	$\frac{1}{8}$ to 3
Price.....each	10.00	14.00
“ Jaws.....per set of three	1.00	1.50
“ Bases.....each	3.00	4.00
“ “ Taper Pins.....“	.20	.20
“ Upright or Tops.....“	3.00	4.00
“ Slides.....“	.80	.80
“ Screw and Handle.....“	2.00	3.00

SEVEN-POUND

Holds Pipe.....inches	$\frac{1}{8}$ to 2
Price.....each	4.50
“ Frames.....“	2.00
“ Slides.....“	.50
“ Slide Rivets.....“	.05
“ Upper Jaws.....“	.40
“ Lower “.....“	.50
“ “ Jaw Rivets.....“	.05
“ Screw and Handle.....“	1.50

VISES

ERIE KIT PIPE



Plate 3303-H

PHOENIX PIPE

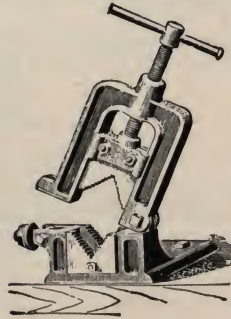


Plate 3304-H

JARECKI PIPE

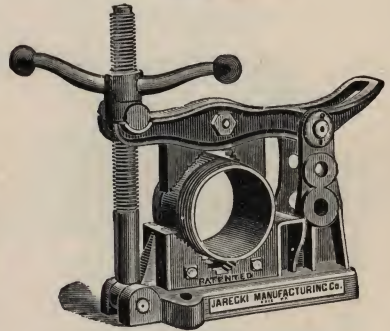


Plate 3305-H

ERIE KIT PIPE VISES

Number.....	0K	1K	2K
Takes Pipe.....inches	$\frac{1}{8}$ to 2	$\frac{1}{8}$ to $2\frac{1}{2}$	$\frac{1}{4}$ to $3\frac{1}{2}$
Price.....each	10.00	14.00	20.00
" Jaws.....per set	.75	1.00	1.25

PHOENIX PIPE VISES

Number.....	5	10
Takes Pipe.....inches	$\frac{1}{8}$ to $2\frac{1}{2}$	$\frac{1}{4}$ to $4\frac{1}{2}$
Price.....each	5.00	9.00
" Jaws.....per set	1.50	2.50

JARECKI PIPE VISES

Number.....	1A	2A	3A	4A
Takes Pipe.....inches	$\frac{1}{8}$ to 2	$\frac{1}{8}$ to 4	$1\frac{1}{2}$ to 6	6 to 12
Price, Complete.....each	12.00	16.00	24.00	60.00
" Jaws.....per set	3.00	4.50	6.00	....

PARKER COMBINATION PIPE VISES

STATIONARY BOTTOM

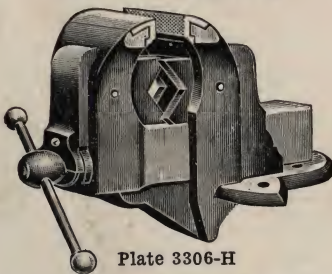


Plate 3306-H

SWIVEL BOTTOM

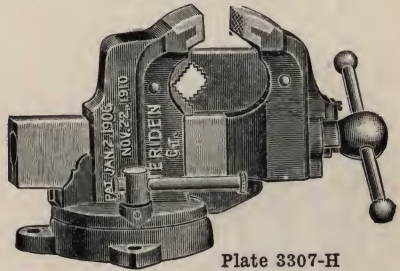


Plate 3307-H

	STATIONARY BOTTOM		SWIVEL BOTTOM			
Number.....	88 $\frac{1}{2}$	89 $\frac{1}{2}$	87	88	288 $\frac{1}{2}$	289 $\frac{1}{2}$
Width of Jaw.....inches	$4\frac{3}{4}$	$5\frac{3}{8}$	$3\frac{5}{8}$	$4\frac{1}{8}$	$4\frac{3}{4}$	$5\frac{3}{8}$
Takes Pipe....."	4 and under	6 and under	2 and under	3 and under	4 and under	6 and under
Price.....each	28.00	35.00	16.00	20.00	28.00	35.00

COMBINATION AND CHAIN PIPE VISES
SMITH'S COMBINATION VISES

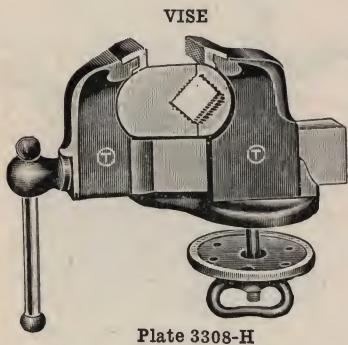


Plate 3308-H

(Dart's Patent)

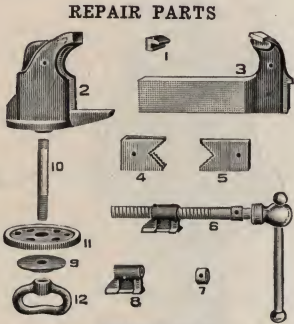


Plate 3309-H

This vise combines with the well-known parallel jaw the valuable attachment whereby pipe or other cylindrical material can be securely held for threading or work of a similar character. The front and rear parallel jaws are so constructed that the pipe jaws can be readily inserted.

Number.....	1	2	3
Holds Pipe.....inches	$\frac{1}{8}$ to 2	$\frac{1}{4}$ to 3	$\frac{1}{4}$ to 4
Weight.....pounds	47	70	100
Price.....each	16.00	20.00	28.00

REPAIR PARTS

No.	For Vise Number.....	1	2	3
1	Parallel Jaws.....each	.50	.50	.50
2	Back Jaws, with Parallel Jaws....."	3.00	3.75	4.25
3	Front or Sliding Jaws....."	*3.00	3.75	4.25
4	Short V Pipe Jaws, Double....."	1.25	1.75	2.25
5	Long V " Single....."	.75	1.00	1.25
6	Screw, Nut, Handle and Collar.....per set	1.75	2.00	2.25
7	Collars for Screw.....each	.10	.10	.10
8	Nuts....."	.25	.35	.45
9	Small Washers....."	.10	.10	.10
10	Bench Bolts....."	.15	.15	.15
11	Large Washers, Swivel....."	.20	.20	.20
12	Hand Nuts....."	.25	.25	.25

*Including parallel jaws.

"VULCAN" CHAIN PIPE VISES

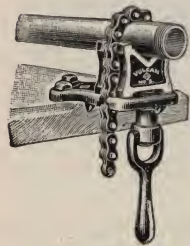


Plate 3310-H

Number.....	1	2	4
Holds Pipe.....inches	$\frac{1}{8}$ to 2	$\frac{1}{4}$ to 4	$\frac{3}{4}$ to 8
Approx. Weight.....pounds	4	10	30
" Size, Folded.....inches	4x5x6	6x8x8	8x10x12
Price, Complete.....each	3.50	6.50	18.00
" Jaws.....per pair	1.20	2.75	7.50
" Chain and Screw.....each	1.10	1.75	4.75
" Screw....."	.20	.35	.70
" Handle and Nut....."	.75	1.50	2.00
" Nut....."	.45	.90	1.20
" Washer....."	.15	.25	.45

STRAIGHT SHANK TWIST DRILLS

No. 108 CARBON STEEL

SHORT SET

No. 417 HIGH SPEED



Plate 3311-H

No. 109 CARBON STEEL

LETTER SIZE

No. 419 HIGH SPEED



Plate 3312-H

SHORT SET

LETTER SIZE

Diameter Inches	PRICE, PER DOZEN		Length Over All Inches	Diameter Inches	PRICE, PER DOZEN		Decimal Diameter Inches	Length Over All Inches
	Carbon Steel	High Speed			Carbon Steel	High Speed		
$\frac{1}{32}$	.90	.....	1½	A	2.90	7.35	.234	3⅝
$\frac{3}{64}$	1.00	.....	1¾	B	3.00	7.35	.238	3⅝
$\frac{1}{16}$	1.00	6.00	2½	C	3.10	7.35	.242	3⅝
$\frac{5}{64}$	1.10	6.00	2⅝	D	3.20	7.35	.246	3⅝
$\frac{3}{32}$	1.20	6.00	2¾	E	3.30	7.35	.250	3⅝
$\frac{7}{64}$	1.30	6.00	2⅞	F	3.40	9.10	.257	4¼
$\frac{1}{8}$	1.45	6.00	3	G	3.50	9.10	.261	4¼
$\frac{9}{64}$	1.60	6.50	3⅛	H	3.60	9.10	.266	4¼
$\frac{5}{32}$	1.80	6.50	3¼	I	3.70	9.10	.272	4¼
$\frac{11}{64}$	2.00	6.50	3⅜	J	3.80	9.10	.277	4¼
$\frac{3}{16}$	2.20	6.50	3½	K	3.90	9.10	.281	4¼
$\frac{13}{64}$	2.40	7.35	3⅝	L	4.00	10.50	.290	4¼
$\frac{7}{32}$	2.65	7.35	3¾	M	4.10	10.50	.295	4¼
$\frac{15}{64}$	2.90	7.35	3⅞	N	4.20	10.50	.302	4¼
$\frac{1}{4}$	3.15	7.35	4	O	4.30	10.50	.316	4¼
$\frac{17}{64}$	3.40	9.10	4⅛	P	4.40	12.00	.323	4⅝
$\frac{9}{32}$	3.65	9.10	4¼	Q	4.60	12.00	.332	4¾
$\frac{19}{64}$	3.90	10.50	4⅜	R	4.80	12.00	.339	4¾
$\frac{5}{16}$	4.20	10.50	4½	S	5.00	13.50	.348	4⅞
$\frac{21}{64}$	4.50	12.00	4⅝	T	5.20	13.50	.358	4⅞
$\frac{11}{32}$	4.80	12.00	4¾	U	5.40	13.50	.368	5
$\frac{23}{64}$	5.10	13.50	4⅞	V	5.60	13.50	.377	5
$\frac{3}{8}$	5.40	13.50	5	W	5.80	15.00	.386	5⅛
$\frac{25}{64}$	5.70	15.00	5⅛	X	6.00	15.00	.397	5¼
$\frac{13}{32}$	6.00	15.00	5¼	Y	6.40	15.00	.404	5¼
$\frac{27}{64}$	6.40	17.00	5⅜	Z	6.80	17.00	.413	5⅜
$\frac{7}{16}$	6.80	17.00	5½	.....	.....	.....	.....	.....
$\frac{29}{64}$	7.20	18.75	5⅝	.....	.....	.....	.....	.....
$\frac{15}{32}$	7.50	18.75	5¾	.....	.....	.....	.....	.....
$\frac{31}{64}$	7.75	20.00	5⅞	.....	.....	.....	.....	.....
$\frac{1}{2}$	8.00	20.00	6	.....	.....	.....	.....	.....

STRAIGHT SHANK TWIST DRILLS

WIRE GAUGE NO. 108A, CARBON STEEL

WIRE GAUGE NO. 418, HIGH SPEED



Plate 3313-H

Wire Gauge Number	PRICE, PER DOZEN		Decimal Diameter Inches	Length Over All Inches	Wire Gauge Number	PRICE, PER DOZEN		Decimal Diameter Inches	Length Over All Inches
	Carbon Steel	High Speed				Carbon Steel	High Speed		
1	2.35	7.35	.2280	4	41	1.10	6.00	.0960	2 $\frac{5}{16}$
2	2.35	7.35	.2210	3 $\frac{1}{8}$	42	1.10	6.00	.0935	2 $\frac{3}{16}$
3	2.35	7.35	.2130	3 $\frac{1}{8}$	43	1.10	6.00	.0890	2 $\frac{1}{4}$
4	2.35	7.35	.2090	3 $\frac{7}{8}$	44	1.10	6.00	.0860	2 $\frac{3}{16}$
5	2.35	7.35	.2055	3 $\frac{1}{8}$	45	1.10	6.00	.0820	2 $\frac{3}{16}$
6	2.25	7.35	.2040	3 $\frac{1}{8}$	46	.95	6.00	.0810	2 $\frac{1}{8}$
7	2.25	7.35	.2010	3 $\frac{1}{4}$	47	.95	6.00	.0785	2 $\frac{1}{16}$
8	2.25	7.35	.1990	3 $\frac{1}{8}$	48	.95	6.00	.0760	2 $\frac{1}{16}$
9	2.25	7.35	.1960	3 $\frac{1}{8}$	49	.95	6.00	.0730	2
10	2.25	7.35	.1935	3 $\frac{5}{8}$	50	.95	6.00	.0700	1 $\frac{5}{16}$
11	2.10	7.35	.1910	3 $\frac{1}{8}$	51	.95	6.00	.0670	1 $\frac{3}{8}$
12	2.10	7.35	.1890	3 $\frac{1}{8}$	52	.95	6.00	.0635	1 $\frac{3}{8}$
13	2.10	6.50	.1850	3 $\frac{1}{2}$	53	.95	....	.0595	1 $\frac{1}{8}$
14	2.10	6.50	.1820	3 $\frac{1}{8}$	54	.95	....	.0550	1 $\frac{3}{8}$
15	2.10	6.50	.1800	3 $\frac{7}{8}$	55	.95	....	.0520	1 $\frac{3}{4}$
16	1.95	6.50	.1770	3 $\frac{3}{8}$	56	.95	....	.0465	1 $\frac{1}{8}$
17	1.95	6.50	.1730	3 $\frac{1}{8}$	57	.95	....	.0430	1 $\frac{1}{8}$
18	1.95	6.50	.1695	3 $\frac{3}{8}$	58	.95	....	.0420	1 $\frac{5}{8}$
19	1.95	6.50	.1660	3 $\frac{1}{4}$	59	.95	....	.0410	1 $\frac{1}{16}$
20	1.95	6.50	.1610	3 $\frac{3}{16}$	60	.95	....	.0400	1 $\frac{9}{16}$
21	1.75	6.50	.1590	3 $\frac{3}{8}$	61	.90	....	.0390	1 $\frac{1}{2}$
22	1.75	6.50	.1570	3 $\frac{1}{8}$	62	.90	....	.0380	1 $\frac{1}{2}$
23	1.75	6.50	.1540	3 $\frac{1}{16}$	63	.90	....	.0370	1 $\frac{1}{2}$
24	1.75	6.50	.1520	3 $\frac{1}{16}$	64	.90	....	.0360	1 $\frac{1}{2}$
25	1.75	6.50	.1495	3	65	.90	....	.0350	1 $\frac{1}{2}$
26	1.55	6.50	.1470	2 $\frac{1}{16}$	66	.90	....	.0330	1 $\frac{1}{2}$
27	1.55	6.50	.1440	2 $\frac{1}{16}$	67	.90	....	.0320	1 $\frac{7}{8}$
28	1.55	6.50	.1405	2 $\frac{7}{8}$	68	.90	....	.0310	1 $\frac{1}{16}$
29	1.55	6.50	.1360	2 $\frac{1}{16}$	69	.90	....	.02925	1 $\frac{3}{8}$
30	1.55	6.50	.1285	2 $\frac{1}{16}$	70	.90	....	.0280	1 $\frac{1}{8}$
31	1.40	6.00	.1200	2 $\frac{3}{4}$	71	1.00	....	.0260	1 $\frac{5}{16}$
32	1.40	6.00	.1160	2 $\frac{1}{16}$	72	1.00	....	.0250	1 $\frac{1}{4}$
33	1.40	6.00	.1130	2 $\frac{1}{16}$	73	1.00	....	.0240	1 $\frac{3}{8}$
34	1.40	6.00	.1110	2 $\frac{5}{8}$	74	1.00	....	.0225	1 $\frac{1}{8}$
35	1.40	6.00	.1100	2 $\frac{3}{16}$	75	1.00	....	.0210	1 $\frac{1}{16}$
36	1.25	6.00	.1065	2 $\frac{1}{16}$	76	1.00	....	.0200	1
37	1.25	6.00	.1040	2 $\frac{1}{2}$	77	1.00	....	.0180	1 $\frac{5}{8}$
38	1.25	6.00	.1015	2 $\frac{7}{16}$	78	1.00	....	.0160	7 $\frac{7}{8}$
39	1.25	6.00	.0995	2 $\frac{1}{16}$	79	1.00	....	.0145	1 $\frac{1}{8}$
40	1.25	6.00	.0980	2 $\frac{3}{8}$	80	1.00	....	.0135	3 $\frac{3}{4}$

TWIST DRILLS

SQUARE SHANK RATCHET DRILL
No. 111

Plate 3314-H

BIT STOCK DRILL, FOR METAL OR WOOD
No. 114

Plate 3315-H

SQUARE SHANK RATCHET DRILLS

Diam- eter Inches	Price Each	Length Over All Inches	Diam- eter Inches	Price Each	Length Over All Inches	Diam- eter Inches	Price Each	Length Over All Inches	Diam- eter Inches	Price Each	Length Over All Inches
$\frac{1}{8}$	.90	$4\frac{1}{2}$	$\frac{9}{16}$	1.35	$6\frac{1}{2}$	1	2.55	$8\frac{1}{2}$	$1\frac{3}{32}$	4.35	9
$\frac{5}{32}$	.95	$4\frac{1}{2}$	$\frac{13}{32}$	1.40	$6\frac{1}{2}$	$1\frac{1}{32}$	2.70	$8\frac{1}{2}$	$1\frac{7}{16}$	4.50	9
$\frac{3}{16}$	.95	$4\frac{1}{2}$	$\frac{5}{8}$	1.40	$6\frac{1}{2}$	$1\frac{1}{16}$	2.85	$8\frac{1}{2}$	$1\frac{13}{32}$	4.65	9
$\frac{1}{4}$	1.00	5	$\frac{13}{16}$	1.45	$6\frac{1}{2}$	$1\frac{3}{16}$	3.00	$8\frac{1}{2}$	$1\frac{1}{2}$	4.80	9
$\frac{5}{16}$	1.00	5	$\frac{11}{8}$	1.45	$6\frac{1}{2}$	$1\frac{7}{8}$	3.10	9	$1\frac{9}{16}$	5.10	9
$\frac{3}{8}$	1.05	5	$\frac{1}{2}$	1.50	$6\frac{1}{2}$	$1\frac{5}{8}$	3.25	9	$1\frac{5}{8}$	5.40	9
$\frac{7}{16}$	1.10	5	$\frac{3}{4}$	1.55	$6\frac{1}{2}$	$1\frac{3}{4}$	3.35	9	$1\frac{11}{16}$	5.75	9
$\frac{1}{2}$	1.15	5	$\frac{7}{8}$	1.65	$6\frac{1}{2}$	$1\frac{7}{8}$	3.50	9	$1\frac{3}{4}$	6.10	9
$\frac{5}{8}$	1.20	6	$\frac{15}{16}$	1.75	7	$1\frac{1}{4}$	3.65	9	$1\frac{13}{16}$	6.50	9
$\frac{3}{4}$	1.25	$6\frac{1}{4}$	$\frac{1}{2}$	1.90	7	$1\frac{3}{8}$	3.75	9	$1\frac{7}{8}$	6.90	9
$\frac{7}{8}$	1.25	$6\frac{1}{4}$	$\frac{1}{2}$	2.05	$7\frac{1}{2}$	$1\frac{5}{8}$	3.90	9	$1\frac{15}{16}$	7.30	9
$\frac{15}{16}$	1.30	$6\frac{1}{4}$	$\frac{1}{2}$	2.20	$7\frac{1}{2}$	$1\frac{11}{16}$	4.05	9	2	7.75	9
$\frac{1}{2}$	1.30	$6\frac{1}{2}$	$\frac{15}{16}$	2.30	8	$1\frac{3}{8}$	4.20	9	.....	.....	.....
$\frac{3}{2}$	1.35	$6\frac{1}{2}$	$\frac{1}{2}$	2.40	8	.....	.....	.....	.....	.....	.....

No. 1 shanks are $\frac{3}{8} \times 5 \times 1\frac{1}{2}$ inches long. No. 2 shanks are $\frac{1}{2} \times 3\frac{1}{4} \times 1\frac{3}{4}$ inches long.
When ordering, state number of shank.

BIT STOCK DRILLS, FOR METAL OR WOOD

Diam- eter Inches	Price per Dozen	Price Each	Length Over All Inches	Diam- eter Inches	Price per Dozen	Price Each	Length Over All Inches	Diam- eter Inches	Price per Dozen	Price Each	Length Over All Inches
$\frac{1}{16}$	1.50	.14	$3\frac{9}{16}$	$\frac{19}{64}$	5.05	.46	$5\frac{1}{2}$	$\frac{23}{64}$	19.15	1.60	$7\frac{1}{4}$
$\frac{5}{64}$	1.60	.15	4	$\frac{5}{16}$	5.40	.48	$5\frac{1}{2}$	$\frac{3}{4}$	19.75	1.65	$7\frac{1}{2}$
$\frac{3}{32}$	1.65	.16	4	$\frac{21}{64}$	5.85	.51	$5\frac{3}{4}$	$\frac{25}{64}$	20.95	1.75	$7\frac{1}{2}$
$\frac{1}{8}$	1.90	.18	4	$\frac{1}{4}$	6.30	.54	$5\frac{3}{4}$	$\frac{27}{64}$	21.55	1.80	$7\frac{1}{2}$
$\frac{9}{64}$	2.10	.20	4	$\frac{13}{32}$	7.20	.62	6	$\frac{29}{64}$	22.75	1.90	$7\frac{1}{2}$
$\frac{11}{64}$	2.35	.22	$4\frac{1}{4}$	$\frac{1}{2}$	8.00	.68	$6\frac{1}{4}$	$\frac{31}{64}$	23.35	1.95	$7\frac{1}{2}$
$\frac{13}{64}$	2.60	.24	$4\frac{1}{4}$	$\frac{17}{64}$	8.80	.75	$6\frac{1}{2}$	$\frac{33}{64}$	24.55	2.05	$7\frac{1}{2}$
$\frac{15}{64}$	2.85	.26	$4\frac{1}{2}$	$\frac{19}{64}$	9.60	.82	$6\frac{3}{4}$	$\frac{35}{64}$	25.75	2.15	$7\frac{1}{2}$
$\frac{17}{64}$	3.10	.29	$4\frac{1}{2}$	$\frac{21}{64}$	10.30	.87	7	$\frac{37}{64}$	26.95	2.25	$7\frac{1}{2}$
$\frac{19}{64}$	3.35	.31	$4\frac{3}{4}$	$\frac{23}{64}$	11.00	.92	$7\frac{1}{4}$	$\frac{39}{64}$	28.15	2.35	$7\frac{1}{2}$
$\frac{21}{64}$	3.60	.33	$4\frac{3}{4}$	$\frac{25}{64}$	14.35	1.20	$7\frac{1}{2}$	$\frac{41}{64}$	35.95	3.00	$7\frac{1}{2}$
$\frac{23}{64}$	3.85	.36	5	$\frac{27}{64}$	15.55	1.30	$7\frac{1}{2}$	$\frac{43}{64}$	40.15	3.35	$7\frac{1}{2}$
$\frac{25}{64}$	4.10	.38	5	$\frac{29}{64}$	16.15	1.35	$7\frac{1}{2}$	$\frac{45}{64}$	43.15	3.60	$7\frac{1}{2}$
$\frac{27}{64}$	4.40	.41	$5\frac{1}{4}$	$\frac{31}{64}$	17.35	1.45	$7\frac{1}{2}$	$\frac{47}{64}$	44.95	3.75	$7\frac{1}{2}$
$\frac{29}{64}$	4.70	.43	$5\frac{1}{4}$	$\frac{33}{64}$	17.95	1.50	$7\frac{1}{2}$	.....	.....	.....	.....

TAPER SHANK TWIST DRILLS

No. 106, CARBON STEEL

No. 403, HIGH SPEED



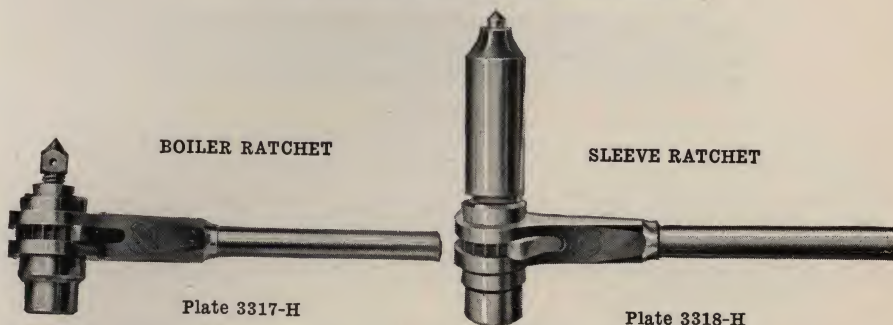
Plate 3316-H

Diameter Inches	PRICE, EACH		Length Over All Inches	Diameter Inches	PRICE, EACH		Length Over All Inches	Diameter Inches	PRICE, EACH		Length Over All Inches
	Carbon Steel	High Speed			Carbon Steel	High Speed			Carbon Steel	High Speed	
$\frac{1}{16}$	.35	.90	$4\frac{3}{8}$	$\frac{3}{32}$	1.40	2.50	$8\frac{3}{4}$	$1\frac{5}{32}$	4.00	8.90	$11\frac{7}{8}$
$\frac{5}{64}$	.40	.90	$4\frac{1}{2}$	$\frac{5}{64}$	1.40	2.50	$8\frac{3}{4}$	$1\frac{1}{4}$	4.20	9.50	12
$\frac{3}{32}$	.40	.90	$4\frac{1}{2}$	$\frac{3}{16}$	1.50	2.75	9	$1\frac{1}{8}$	4.20	9.50	12
$\frac{7}{64}$	.45	.90	$4\frac{5}{8}$	$\frac{1}{8}$	1.50	2.75	9	$1\frac{1}{4}$	4.40	10.15	$12\frac{1}{8}$
$\frac{1}{8}$	.45	.90	$5\frac{1}{8}$	$\frac{1}{4}$	1.60	3.00	$9\frac{1}{4}$	$1\frac{3}{8}$	4.40	10.15	$12\frac{1}{8}$
$\frac{9}{64}$	.45	.90	$5\frac{1}{4}$	$\frac{3}{16}$	1.60	3.00	$9\frac{1}{4}$	$1\frac{1}{2}$	4.50	10.75	$12\frac{1}{2}$
$\frac{5}{32}$	.45	.90	$5\frac{3}{8}$	$\frac{1}{4}$	1.70	3.25	$9\frac{1}{2}$	$1\frac{1}{4}$	4.50	10.75	$12\frac{1}{2}$
$\frac{3}{16}$	.50	.90	$5\frac{3}{4}$	$\frac{3}{8}$	1.70	3.25	$9\frac{1}{2}$	$1\frac{3}{4}$	4.65	11.50	$14\frac{1}{8}$
$\frac{1}{4}$	.50	.90	$5\frac{3}{4}$	$\frac{1}{2}$	1.85	3.50	$9\frac{3}{4}$	$1\frac{3}{8}$	4.65	11.50	$14\frac{1}{8}$
$\frac{5}{16}$	.55	1.00	$5\frac{7}{8}$	$\frac{5}{16}$	1.85	3.50	$9\frac{3}{4}$	$1\frac{1}{2}$	4.80	12.25	$14\frac{1}{4}$
$\frac{3}{8}$	.55	1.00	$5\frac{7}{8}$	$\frac{3}{8}$	2.00	3.75	$9\frac{7}{8}$	$1\frac{1}{4}$	4.80	12.25	$14\frac{1}{4}$
$\frac{7}{16}$	.60	1.10	$6\frac{1}{8}$	$\frac{1}{2}$	2.00	3.75	$9\frac{7}{8}$	$1\frac{3}{4}$	5.00	13.00	$14\frac{3}{8}$
$\frac{1}{2}$	.60	1.10	$6\frac{1}{8}$	$\frac{3}{4}$	2.15	4.00	10	$1\frac{1}{2}$	5.00	13.00	$14\frac{3}{8}$
$\frac{9}{16}$	.65	1.20	$6\frac{1}{4}$	$\frac{7}{8}$	2.15	4.00	10	$1\frac{3}{4}$	5.20	13.75	$14\frac{1}{2}$
$\frac{5}{8}$	.65	1.20	$6\frac{1}{4}$	1	2.30	4.40	$10\frac{1}{4}$	$1\frac{3}{8}$	5.20	13.75	$14\frac{1}{2}$
$\frac{3}{4}$	.70	1.30	$6\frac{3}{8}$	$1\frac{1}{8}$	2.30	4.40	$10\frac{1}{4}$	$1\frac{1}{2}$	5.40	14.65	$14\frac{5}{8}$
$\frac{7}{8}$	.70	1.30	$6\frac{3}{8}$	$1\frac{1}{4}$	2.45	4.75	$10\frac{1}{2}$	$1\frac{3}{4}$	5.40	14.65	$14\frac{5}{8}$
1	.75	1.40	$6\frac{1}{2}$	$1\frac{3}{8}$	2.45	4.75	$10\frac{1}{2}$	$1\frac{3}{8}$	5.60	15.50	$14\frac{3}{4}$
$1\frac{1}{8}$	.75	1.40	$6\frac{1}{2}$	$1\frac{1}{2}$	2.60	5.15	$10\frac{5}{8}$	$1\frac{1}{4}$	5.60	15.50	$14\frac{3}{4}$
$1\frac{1}{4}$	.80	1.50	$6\frac{3}{4}$	$1\frac{3}{4}$	2.60	5.15	$10\frac{5}{8}$	$1\frac{3}{4}$	5.80	16.40	$14\frac{7}{8}$
$1\frac{1}{2}$	.80	1.50	$6\frac{3}{4}$	$1\frac{7}{8}$	2.75	5.50	$10\frac{3}{4}$	$1\frac{1}{2}$	5.80	16.40	$14\frac{7}{8}$
$1\frac{3}{4}$	.85	1.65	7	2	2.75	5.50	$10\frac{3}{4}$	$1\frac{3}{4}$	6.00	17.25	15
$1\frac{5}{8}$	.85	1.65	7	$2\frac{1}{8}$	2.90	5.90	$10\frac{7}{8}$	$1\frac{1}{2}$	6.00	17.25	15
$1\frac{7}{8}$	.90	1.75	$7\frac{1}{4}$	$2\frac{1}{4}$	2.90	5.90	$10\frac{7}{8}$	$1\frac{3}{4}$	6.30	18.15	$15\frac{1}{8}$
2	.90	1.75	$7\frac{1}{4}$	$2\frac{3}{8}$	3.00	6.25	11	$1\frac{1}{4}$	6.30	18.15	$15\frac{1}{8}$
$2\frac{1}{8}$	.95	1.90	$7\frac{1}{2}$	$2\frac{1}{2}$	3.00	6.25	11	$1\frac{3}{8}$	6.60	19.00	$15\frac{1}{4}$
$2\frac{1}{4}$	.95	1.90	$7\frac{1}{2}$	$2\frac{3}{4}$	3.20	6.75	$11\frac{1}{8}$	$1\frac{1}{2}$	6.60	19.00	$15\frac{1}{4}$
$2\frac{1}{2}$	1.00	2.00	$7\frac{3}{4}$	3	3.20	6.75	$11\frac{1}{8}$	$1\frac{3}{4}$	6.90	20.00	$15\frac{3}{8}$
$2\frac{3}{4}$	1.00	2.00	$7\frac{3}{4}$	$3\frac{1}{8}$	3.40	7.25	$11\frac{1}{4}$	$1\frac{1}{2}$	6.90	20.00	$15\frac{3}{8}$
$2\frac{7}{8}$	1.10	2.15	8	$3\frac{1}{4}$	3.40	7.25	$11\frac{1}{4}$	$1\frac{3}{8}$	7.20	21.00	$15\frac{1}{2}$
3	1.10	2.15	8	$3\frac{3}{8}$	3.60	7.75	$11\frac{1}{2}$	$1\frac{1}{4}$	7.20	21.00	$15\frac{1}{2}$
$3\frac{1}{8}$	1.20	2.25	$8\frac{1}{4}$	$3\frac{1}{2}$	3.60	7.75	$11\frac{1}{2}$	$1\frac{3}{8}$	7.50	22.00	$15\frac{5}{8}$
$3\frac{1}{4}$	1.20	2.25	$8\frac{1}{4}$	$3\frac{3}{4}$	3.80	8.25	$11\frac{3}{4}$	$1\frac{1}{2}$	7.50	22.00	$15\frac{5}{8}$
$3\frac{3}{8}$	1.30	2.40	$8\frac{1}{2}$	4	3.80	8.25	$11\frac{3}{4}$	$1\frac{3}{4}$	7.80	23.00	$15\frac{3}{4}$
$3\frac{1}{2}$	1.30	2.40	$8\frac{1}{2}$	$4\frac{1}{8}$	4.00	8.90	$11\frac{7}{8}$	$1\frac{1}{2}$	7.80	23.00	$15\frac{3}{4}$

Discount on carbon steel drills changes at $1\frac{1}{2}$ -inch.

ABOVE DRILLS HAVE TAPER SHANKS AS FOLLOWS

Taper Shank.....number	1	2	3	4
Diameters (inclusive) .....inches	$\frac{1}{16}$ to $\frac{9}{16}$	$\frac{3}{16}$ to $\frac{29}{32}$	$\frac{5}{16}$ to $1\frac{1}{4}$	$1\frac{1}{4}$ to $1\frac{11}{16}$

RATCHETS**PACKER—FOR SQUARE SHANK DRILLS**

Description	BOILER RATCHET			SLEEVE RATCHET				
	1	2	3	1	2	3	4	5
Number								
Length of Handle.....inches	10	12	16	10	12	16	18	24
Price.....each	9.00	10.50	16.00	10.50	13.50	16.00	19.00	23.00

Nos. 1, 2 and 3 boiler and sleeve and No. 3 railroad ratchets take ratchet drills with No. 1 square shank. Nos. 4 and 5 sleeve and railroad ratchets take ratchet drills with No. 2 square shank.

MONARCH

Nos. 110 TO 170
SINGLE-ACTING
MORSE TAPER



Plate 3319-H

Nos. 10 TO 70
SINGLE-ACTING
SQUARE SLEEVE

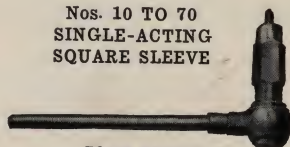


Plate 3320-H

MORSE TAPER

Number	110	120	130	140	150	160	170
Length of Handle.....inches	10	12	15	18	22	24	28
Price.....each	5.25	5.75	6.25	7.75	8.75	9.25	10.25

SQUARE SLEEVE

Number	10	20	30	40	50	60	70
Length of Handle.....inches	10	12	15	18	22	24	28
Price.....each	5.00	5.50	6.00	7.50	8.50	9.00	10.00

No. 110 takes No. 2 Morse Taper; Nos. 120 and 130 take No. 3 Morse Taper; Nos. 140 to 170 take No. 4 Morse Taper.

Nos. 10 to 30 take No. 1 square shank drills; Nos. 40 to 70 take No. 2 square shank drills.

SQUARE SHANK SLEEVES

Number	1	2	4
Price.....each	1.00	1.25	1.50

No. 1 sleeve fits No. 110 ratchets; No. 2 sleeve fits Nos. 120 and 130 ratchets; No. 4 sleeve fits Nos. 140, 150, 160 and 170 ratchets.

STAR HACK SAW BLADES AND FRAMES

STAR HACK SAW BLADES



Plate 3321-H

Length	inches	6	7	8	9	10	11	12	*12
Width	inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$
Price	per dozen	.60	.65	.70	.75	.85	.95	1.00	1.35

These blades have 14 teeth to the inch and are adapted to general work. Blades with 24 teeth to the inch for thin tubing or thin sheets furnished when so specified.

*For power machine.

HACK SAW FRAMES

No. 4



Plate 3322-H

No. 2



Plate 3323-H

No. 4 CAST IRON

Number		4A	4B	4C	4D
Takes Blades	inches	8	9	10	12
Depth under Back	"	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$
Price, without Blades	per dozen	4.00	4.00	4.25	4.50

No. 2 SOLID

Price, with One Blade only	per dozen	9.50
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Frame is polished and nickel-plated. Depth under back, $2\frac{3}{8}$ inches.
For 8-inch blades only.

No. 6, ADJUSTABLE, NOTCHED TOP



Plate 3324-H

Nos. 10 AND 11, ADJUSTABLE



Plate 3325-H

No. 6 ADJUSTABLE

Price, with One 12-inch Blade	per dozen	15.50
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Quickly adjustable for blades 6 to 12 inches.

Nos. 10 AND 11 ADJUSTABLE

Number		10	11
Depth under Back	inches	$2\frac{3}{8}$	$3\frac{1}{2}$
Price, with One 10-inch Blade	per dozen	15.50	16.50

Adjustable for blades 8 to 12 inches.

STERLING HACK SAW BLADES AND FRAMES**HACK SAW BLADES**

Plate 3326-H

Length..... inches	6	7	8	9	10	10	*10	11
Width..... inches	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Thickness..... "	.026	.026	.026	.026	.026	.026	.030	.026
No. of Teeth to inch.....	18	18	18	18	18	14	14	18
Price..... per gross	7.00	7.50	8.00	9.00	10.00	10.00	10.08	11.00

Length..... inches	*11	12	12	*12	†12	†14	†16	†17
Width..... inches	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1
Thickness..... "	.030	.026	.026	.030	.033	.033	.033	.033
No. of Teeth to inch.....	14	18	14	14	14	14	14	14
Price..... per gross	11.16	12.00	12.00	12.24	15.00	18.00	26.40	27.60

*Special extra heavy blades. †For power machines.

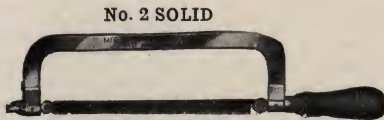
HACK SAW FRAMES**No. 10, CAST IRON**

Plate 3327-H



Plate 3328-H

No. 2 SOLID, NICKEL-PLATED

Length..... inches	8	9	10	12
Price, without Blades..... per dozen	8.40	8.70	9.00	9.60

No. 10, CAST IRON

Length..... inches	8	9
Price, without Blades..... per dozen	3.00	3.25

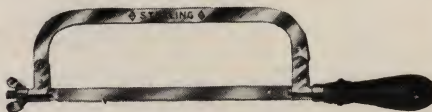
No. 20 SOLID**No. 50 ADJUSTABLE**

Plate 3329-H

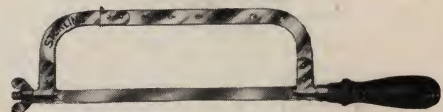


Plate 3330-H

No. 20 SOLID, POLISHED STEEL

Length..... inches	8	9	10	12
Price, without Blades..... per dozen	6.00	6.30	6.60	7.20

No. 50 ADJUSTABLE, NICKEL-PLATED

Price, without Blades..... per dozen	12.00
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Adjustable for 8, 9, 10, 11 and 12-inch blades.

HAND AND BREAST DRILLS

HAND DRILLS

No. 1

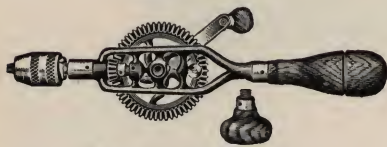


Plate 3331-H

No. 5



Plate 3332-H

No. 1

Price, including 8 Fluted Points in Hollow Handle.....	per dozen	20.00
" Extra Points.....	"	.50
" " ".....	per set	.35

This drill is provided with chuck having three jaws, resting in solid sockets. Nickel-plated chuck and cocobola handle. Holds drill from 0 to 3/16-inch diameter.

No. 5

Price, including 8 Fluted Points.....	per dozen	24.00
" Extra Points.....	"	.50
" " ".....	per set	.35

This drill has same chuck as No. 1, but is double geared, and provided with a wide rim gear to be grasped between thumb and fingers when used for delicate work.

BREAST DRILLS

No. 11



Plate 3333-H

No. 12



Plate 3334-H

No. 11

Price.....	per dozen	47.00
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The chuck of this drill is arranged with three jaws for round shanks and will center quite accurately. Holds drill from 0 to 3/8-inch diameter.

No. 12

Price.....	per dozen	40.00
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Has cut gears changeable from even to speeded, 3 to 1, and extensible crank level attachments to show when being held true. Master chuck holding both round and square shank drills. Holds drill from 1/8 to 1/2-inch diameter.

COACH OR LAG SCREWS



Plate 3400-H

PRICE, PER HUNDRED

In Effect Nov. 12, 1908.

Diameter....inches		$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$ and $\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length Under Head, Inches	$1\frac{1}{2}$	2.25	2.70	3.15	3.75	.....	.....	.....	.....
	2.....	2.45	2.96	3.47	4.11	6.00	.....	.....	.....
	$2\frac{1}{2}$	2.65	3.22	3.79	4.47	6.50	9.20	.....	.....
	3.....	2.85	3.48	4.11	4.83	7.00	9.90	15.00	.....
	$3\frac{1}{2}$	3.05	3.74	4.43	5.19	7.50	10.60	16.00	22.00
	4.....	3.25	4.00	4.75	5.55	8.00	11.30	17.00	23.30
	$4\frac{1}{2}$	3.45	4.26	5.07	5.91	8.50	12.00	18.00	24.60
	5.....	3.65	4.52	5.39	6.27	9.00	12.70	19.00	25.90
	$5\frac{1}{2}$	3.85	4.78	5.71	6.63	9.50	13.40	20.00	27.20
	6.....	4.05	5.04	6.03	6.99	10.00	14.10	21.00	28.50
	$6\frac{1}{2}$	4.25	5.30	6.35	7.35	10.50	14.80	22.00	29.80
	7.....	4.45	5.56	6.67	7.71	11.00	15.50	23.00	31.10
	$7\frac{1}{2}$	4.65	5.82	6.99	8.07	11.50	16.20	24.00	32.40
	8.....	4.85	6.08	7.31	8.43	12.00	16.90	25.00	33.70
	9.....	5.25	6.60	7.95	9.15	13.00	18.30	27.00	36.30
	10.....	5.65	7.12	8.59	9.87	14.00	19.70	29.00	38.90
	11.....	6.05	7.64	9.23	10.59	15.00	21.10	31.00	41.50
	12.....	6.45	8.16	9.87	11.31	16.00	22.50	33.00	44.10

The following extras are to be understood as a part of this list:
 Hexagon heads, 10 per cent extra. Tee heads, 20 per cent extra.
 Skein screws sold at the same list price as lag screws.

WEIGHT OF COACH AND LAG SCREWS, PER HUNDRED

Diameter....inches		$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length Under Head, Inches	$1\frac{1}{2}$	3.9	5.1	8.7	10.4	.....	.....	.....	.....
	$1\frac{3}{4}$	4.4	5.8	9.5	11.7	.....	.....	.....	.....
	2.....	4.8	6.7	10.3	13.0	24.	.....	.....	.....
	$2\frac{1}{4}$	5.2	7.5	11.1	14.3	25.6	.....	.....	.....
	$2\frac{1}{2}$	5.6	8.4	11.9	15.6	27.2	39.	.....	.....
	3.....	6.5	9.1	13.5	18.2	30.5	45.	66.	.....
	$3\frac{1}{2}$	7.3	10.6	15.1	20.6	33.7	51.	72.	.....
	4.....	8.2	12.	16.7	22.9	37.	57.	78.	105.
	$4\frac{1}{2}$	9.	13.	18.6	25.2	40.2	62.	85.	116.
	5.....	9.9	14.	20.5	27.5	43.5	67.	92.	127.
	$5\frac{1}{2}$	10.8	15.	22.4	30.3	47.	72.	100.	137.
	6.....	11.7	16.	24.2	32.	50.6	77.	107.	147.
	7.....	.....	.....	28.	36.5	57.8	87.	122.	167.
	8.....	.....	.....	.....	41.	64.7	97.	137.	186.
	9.....	.....	.....	.....	45.5	72.	107.	152.	204.
	10.....	.....	.....	.....	50.	79.2	117.	167.	221.
	11.....	.....	.....	.....	54.5	86.5	127.	180.	237.
	12.....	.....	.....	.....	59.	94.	137.	191.	252.

STOVE BOLTS

FLAT OR ROUND HEAD

FLAT HEAD



Plate 3401-H

ROUND HEAD



Plate 3402-H

Adopted March 1, 1907

PRICE PER HUNDRED

Length, Inches	DIAMETER, INCHES					
	$\frac{1}{8}$ and $\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$ and $\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
$\frac{3}{8}$	.85	.85	....	....	....	....
$\frac{1}{2}$	.85	.85	1.20	....	....	....
$\frac{5}{8}$	.85	.85	1.20	....	....	....
$\frac{3}{4}$	.85	.85	1.20	1.75	2.65	....
$\frac{7}{8}$	.90	.90	1.25	1.80	2.70	....
1	.90	.90	1.30	1.85	2.75	9.50
$1\frac{1}{8}$	.95	.95	1.35	1.90	2.85	....
$1\frac{1}{4}$	1.00	1.00	1.40	1.95	2.90	9.50
$1\frac{3}{8}$	1.05	1.05	1.45	2.00	3.00	....
$1\frac{1}{2}$	1.10	1.10	1.50	2.05	3.10	9.50
$1\frac{3}{4}$	1.15	1.15	1.55	2.15	3.20	9.80
2	1.20	1.20	1.60	2.30	3.40	10.10
$2\frac{1}{4}$	....	1.25	1.70	2.40	3.60	10.35
$2\frac{1}{2}$	....	1.30	1.80	2.50	3.80	10.65
$2\frac{3}{4}$	....	1.40	1.90	2.60	4.00	10.90
3	....	1.50	2.00	2.70	4.20	11.20
$3\frac{1}{4}$	....	1.60	2.10	2.85	4.40	11.50
$3\frac{1}{2}$	....	1.70	2.20	3.00	4.60	11.75
$3\frac{3}{4}$	....	1.80	2.30	3.15	4.80	12.00
4	....	1.90	2.40	3.30	5.00	12.30
$4\frac{1}{4}$	....	2.00	2.50	3.45	5.20	12.60
$4\frac{1}{2}$	....	2.10	2.60	3.60	5.40	12.90
$4\frac{3}{4}$	....	2.20	2.70	3.75	5.60	13.15
5	....	2.30	2.85	3.90	5.80	13.45
$5\frac{1}{4}$	....	2.40	3.00	4.10	6.00	....
$5\frac{1}{2}$	....	2.50	3.15	4.30	6.20	14.00
$5\frac{3}{4}$	....	2.60	3.30	4.50	6.40	....
6	....	2.75	3.45	4.70	6.60	14.55
$6\frac{1}{4}$	....	2.90	3.60	4.90	6.80	....
$6\frac{1}{2}$	....	3.05	3.75	5.10	7.00	15.10

YALE AND TOWNE HOISTS

**DIFFERENTIAL
ORIGINAL WESTON'S
PATTERN**



Plate 3403-H

DIFFERENTIAL

The Yale & Towne Differential Block is a simple, cheap and safe type of chain block and has the fewest parts of any block made. It handles heavy loads readily, and is sold at the lowest price possible for a reliable block. For use on farms and plantations, and for all ordinary hoisting purposes, this block will do the work of several men with rope-tackle, jacks, skids, crowbars, etc. Heat and cold do not affect it and it will stand all kinds of weather. Five rope hoists will not last as long as one differential block.

In view of its reliability and low cost the Yale & Towne Differential Block should be selected in all cases where the higher power and durability of the triplex and duplex blocks are not required.

DUPLEX

The duplex is the popular type of double chain worm-wheel or screw block. It is next best to the triplex, and its efficiency is 25 per cent higher than in most screw hoists. For portable use the use of the duplex is light and powerful and takes up the least head-room. For shifting about in general use the duplex is the handy block. With it one man can lift the heaviest loads. Where the higher speed of the triplex is not required the duplex block is the best chain block made. It is absolutely impossible for the load-chains to slip, because the safety guides prevent it.

**DUPLEX
SCREW-GEARED**



Plate 3404-H

DIFFERENTIAL

Capacity	tons	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3
Price	each	18.00	18.00	21.00	28.00	36.00	45.00	60.00
" Extra Hoist	per foot	2.80	2.80	2.80	3.00	3.20	3.40	4.00
Regular Hoist	feet	5	6	7	8	$8\frac{1}{2}$	9	$9\frac{1}{2}$
Weight	pounds	11	22	30	51	81	122	180

DUPLEX SCREW-GEARED

Capacity	tons	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3	4	5	6	8	10
Price	each	25.00	30.00	40.00	50.00	75.00	95.00	140.00	180.00	210.00	275.00
" Extra Hoist	per foot	1.20	1.50	1.75	2.00	2.20	2.40	3.00	3.75	4.00	4.25
Regular Hoist	feet	8	8	8	9	10	10	12	12	12	12
Weight	pounds	43	57	76	104	180	215	330	320	380	555

REPAIRS FOR DUPLEX SCREW-GEARED

Capacity	tons	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	3	4	5	6	8	10
Price, Load Chain Guide	each	.40	.50	.60	.70	1.00	1.40	1.60	1.70	1.90	2.50
" Worm and Shaft	"	3.00	3.50	4.00	4.50	5.00	7.00	10.00	12.00	18.00	22.00
" Top Hook	"	1.00	1.40	1.80	2.40	3.00	5.00	6.00	7.00	12.00	15.00
" Load, Sheave	per pair	1.50	2.00	2.50	3.00	3.50	4.50	5.00	5.50	8.00	9.00
" Hand Chain	per foot	.25	.25	.25	.25	.25	.40	.40	.40	.40	.40
" Load	"	.37 $\frac{1}{2}$	.40	.42 $\frac{1}{2}$	.45	.50	.55	.60	.50	.55	.60

PACKINGS

YESMUR CLOTH INSERTION



Plate 3405-H

RAINBOW



Plate 3406-H

YESMUR CLOTH INSERTION SHEET PACKING. Cloth one or both sides. Made in rolls 36 inches wide, $\frac{1}{64}$, $\frac{1}{32}$, $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch thick. Price, per pound, .60.

RAINBOW PACKING. Especially adapted for very high pressure. Will not harden or blow out. Not affected by oils, ammonia, liquors, steam, heat or alkalies. In rolls of about 200 lbs. each. Standard width, 36 inches; $\frac{1}{32}$, $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch thick. Price, per lb., 1.00.

JUTE PACKING



Plate 3407-H

OAKUM



Plate 3408-H

WASTE



Plate 3409-H

Price, Jute Packing, in 100-pound Coils.....	per pound	.10
" Plumbers' Oakum, in 50-pound Bales	per bale	2.50
" " Rope Oakum, in 100 pound Coils.....	per pound	.10

COTTON WASTE

Grade.....	No. 1 White	No. 2 White	No. 1 Col.	No. 2 Col.	No. 3 Col.
Price, 100 lb. Bales, per lb.	.20	.18	.12	.10	.08

ASBESTOS ROPE

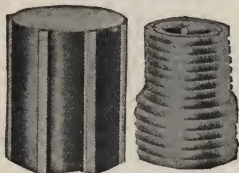


Plate 3410-H

ASBESTOS WICK



Plate 3411-H

CANDLE WICK



Plate 3412-H

Price, Asbestos Rope, Braided or Standard Twist, Reels of 10, 15, 25 and 50 lbs., per lb.	.50
" " Wick, Standard Grade, $\frac{1}{4}$, $\frac{1}{2}$ and 1-lb. Balls, 5 and 10-lb. Spools "	.50
" Candle " $\frac{1}{8}$ and $\frac{1}{4}$ -pound Balls.....	.30

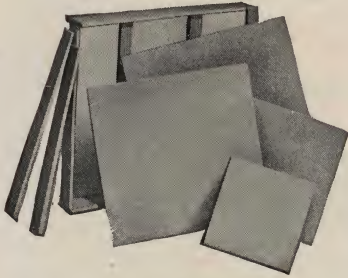
ASBESTOS MILLBOARD, PAPER, ETC.**ASBESTOS SHEET
MILLBOARD**

Plate 3413-H

ASBESTOS PAPER

Plate 3414-H

ASBESTOS SHEET MILLBOARD

Especially adapted for fireproof lining of floors, partitions, etc. Also for packings, fire screens, linings for ranges, stoves, grates, gas backs, etc.

Thickness	$\frac{3}{32}$	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight, per Sheet pounds	2	4	6	8	12	14	23	27

Price, standard sheets 40x40, or 42x44 inches, per pound, 10 cents.

ASBESTOS PAPER

This is a fireproof material especially adapted for fireproof construction because of its high heat-resisting qualities. It is used for lining side walls, floors, wood partitions, covering heater pipes, etc. Will not disintegrate, is odorless and vermin-proof. Put up in rolls, 36 inches wide, weighing approximately 100 pounds each. Price, 6 to 30 pounds, per 100 square feet ($\frac{1}{16}$ to $\frac{1}{8}$ inch), 6 cents per pound.

ASBESTOS CEMENT

Plate 3415-H

MINERAL WOOL

Plate 3416-H

ASBESTOS CEMENT

Asbestos Cement, 100 pound bags	per bag	2.50
---------------------------------------	---------	------

A bag of cement will cover surfaces as follows: Asbestos cement, 25 square feet, 1 inch thick.

MINERAL WOOL

Price in Sacks, Weighing about 50 pounds	per pound	.04
" " Bulk	per ton	50.00
" Sacks extra	each	.15

The amount charged for sacks will be refunded on their return, freight charge prepaid. Mineral wool weighs from eight to nine pounds per cubic foot; $\frac{3}{4}$ pound will cover 1 square foot, 1 inch thick.

SECTIONAL PIPE AND FITTING COVERINGS

AIR CELL COVERING

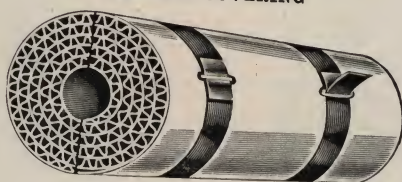


Plate 3417-H

WOOL FELT COVERING

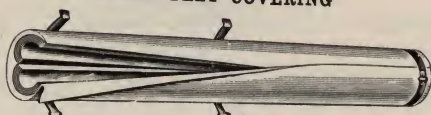


Plate 3418-H

ASBESTOS MOLDED
COVERING FOR PIPE FITTING

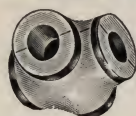


Plate 3419-H

PIPE AND FITTING COVERINGS

Inside Diameter of Pipe.....inches	1½	¾	1	1¼	1½	2	2½	3	3½
Price, Covering.....per foot	.22	.24	.27	.30	.33	.36	.40	.45	.50
“ Elbow Covers.....each	.30	.30	.30	.30	.30	.36	.42	.48	.54
“ Tee “.....“	.36	.36	.36	.36	.36	.42	.48	.54	.60
“ Cross “.....“	.48	.48	.48	.48	.48	.54	.60	.70	.80
“ Valve “.....“	.54	.54	.54	.54	.54	.60	.78	.96	1.20
Inside Diameter of Pipe.....inches	4	4½	5	6	7	8	9	10	12
Price, Covering.....per foot	.60	.65	.70	.80	1.00	1.10	1.20	1.30	1.85
“ Elbow Covers.....each	.60	.72	.90	1.30	1.80	2.40	3.00	3.60	...
“ Tee “.....“	.75	.90	1.20	1.60	2.20	3.00	3.80	4.60	...
“ Cross “.....“	.95	1.10	1.50	2.00	2.80	3.60	4.40	5.20	...
“ Valve “.....“	1.50	1.85	2.25	2.80	3.60	4.40	5.30	6.20	...
Outside Diameter of Pipe.....inches	14	16	18	20	24	30	...	...	...
Price, Covering.....per foot	2.10	2.35	2.60	2.85	3.30	4.00	...	...	...

85 PER CENT MAGNESIA



Plate 3420-H

Inside Diameter of Pipe.....inches	½	¾	1	1¼	1½	2	2½	3	3½
Price.....per foot	.22	.24	.27	.30	.33	.36	.40	.45	.50
Inside Diameter of Pipe.....inches	4	4½	5	6	7	8	9	10	12
Price.....per foot	.60	.65	.70	.80	1.00	1.10	1.20	1.30	1.85

DIXON'S GRAPHITE PRODUCTS

TICONDEROGA FLAKE GRAPHITE



Plate 3421-H

Dixon's Flake Graphite has many valuable applications as a lubricant for cylinders, valves and bearings, either alone or mixed with oils and greases. It is also indispensable to engineers and mechanics for coating gaskets and packing, for pipe fitting, etc.

Dixon's Flake Graphite is the standard the world over, and always has been.

Dixon's Ticonderoga Flake Graphite is prepared in the coarser (or No. 1) flake, and the finer (or No. 2) size. Users of Dixon's Graphite will do well to keep both kinds on hand, as each has special advantages.

If the finely ground (No. 2) graphite is desired, so specify in the order. Price the same for Nos. 1 and 2.

Trade No.	Description and Styles of Packages		Price
631	1/2-pound Paper Cans, 36 in Case	per can	....
632	1 " " " 36 " "	"	....
632 1/2	2 1/2 " " " 20 " "	"	....
633	5 " " " Screw Top, 10 in Case	"	....
634	10 " " " 5 " "	"	....
644	25 " Paper Bags, enclosed in Case	per pound	....
645	50 " " " " " "	"	....
646	100 " Kegs	"	....
646 1/2	200 " " " " " "	"	....
647	400 " Barrels	"	....

GRAPHITE PIPE JOINT COMPOUND

For threaded and flanged joints of steam, water, gas, oil, brine and air piping; also valuable on gaskets, boiler tube caps, bolts, nuts, turnbuckles, lag screws, etc. This compound makes tight joints, but is not a cement which hardens.

Trade No.	Style of Packages	Price
693	1-lb. Tin Cans, 36 in Case	per pound
694	5 " " " 12 " " "	....
695	10 " " " 6 " " "	....
696	25 " " " " " "	....
697	50 " Kegs	"
698	100 " " " " " "	....



Plate 3422-H

Joints made up with this material can never rust, corrode or stick, but may always be separated without difficulty after any length of time. Dixon's Graphite Pipe Joint Compound is very much superior to red or white lead, and is about 2 1/2 times as bulky. Comes prepared ready for use. No mixing required.

HOSE

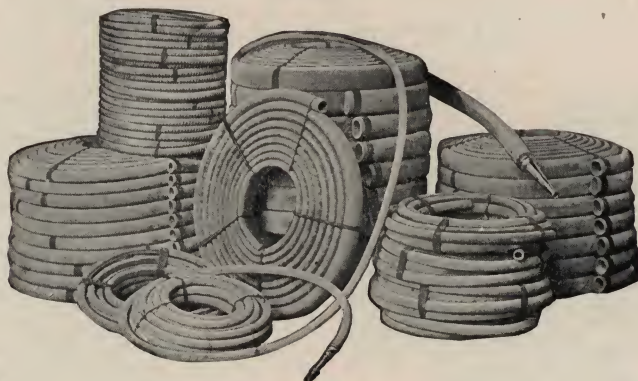


Plate 3423-H

WATER CONDUCTING HOSE

Internal Diameter..inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/4	2 1/2	2 3/4
Price, 2-ply.....per foot	.20	.25	.33	.42	.50	.66	.75	.83	.92
" 3 "....."	.25	.30	.40	.50	.60	.80	.90	1.00	1.10
" 4 "....."	.30	.37	.50	.62	.75	1.00	1.12	1.25	1.37
" 5 "....."	.37	.46	.62	.77	.93	1.25	1.40	1.56	1.71
" 6 "....."	.45	.55	.75	.93	1.12	1.50	1.68	1.87	2.05

Internal Diameter..inches	3	3 1/2	4	5	6	7	8	9	10
Price, 2-ply.....per foot	.99	1.16	1.32	1.65	1.98	2.31	2.64	2.97	3.33
" 3 "....."	1.20	1.40	1.60	2.00	2.40	2.80	3.20	3.60	4.00
" 4 "....."	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00
" 5 "....."	1.87	2.18	2.50	3.13	3.75	4.38	5.00	5.63	6.25
" 6 "....."	2.25	2.62	3.00	3.75	4.50	5.25	6.00	6.75	7.50

STEAM HOSE

Adopted at Meeting of Mechanical Rubber Goods Manufacturers' Association,
April 26, 1910, to Take Effect May 2, 1910

Internal Diameter..inches	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
Price, 3-ply.....per foot	.47	.57	.70	.85	1.02	1.18	1.34	1.50	1.66
" 4 "....."	.56	.71	.87	1.04	1.25	1.45	1.66	1.87	2.08
" 5 "....."	.70	.87	1.07	1.30	1.56	1.81	2.07	2.33	2.60
" 6 "....."	.84	1.05	1.28	1.56	1.87	2.17	2.49	2.80	3.12
" 7 "....."	.98	1.23	1.50	1.82	2.18	2.53	2.90	3.27	3.64
" 8 "....."	1.12	1.41	1.70	2.08	2.50	2.90	3.32	3.74	4.16

When ordering, state steam pressure used.

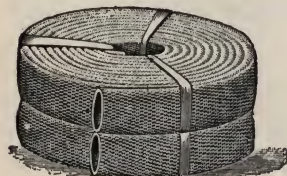


Plate 3424-H

UNLINED LINEN HOSE

Size....inches	1	1 1/4	1 1/2	2	2 1/4	2 1/2
Price..per foot	.24	.27	.30	.34	.37	.40

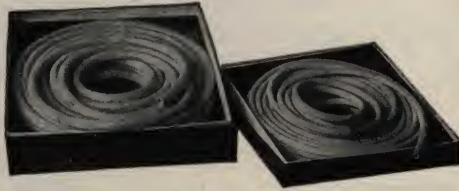
RUBBER TUBING, ETC.**RUBBER TUBING**

Plate 3425-H

Size, Inside Diameter.....inches	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Price, Plain or Corrugated...per ft.	.08	.12	.16	.18	.20	.25	.30	.35	.40	.45
" Cloth Insertion..... "	.10	.14	.18	.20	.23	.28	.33	.38	.44	.50

RUBBER DIAPHRAGMS**PUMP****RUBBER HOSE WASHER****LOW PRESSURE****HIGH PRESSURE**

Plate 3426-H



Plate 3427-H



Plate 3428-H

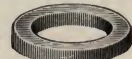


Plate 3429-H

RUBBER DIAPHRAGMS

Diameter.....inches	6	7	8	9	10	12	13
Price, Low Pressure .....each	.75	.80	.90	1.00	1.50	....	....
" High "..... "	1.15	1.20	1.40	1.50	2.25	4.50	....
" Pump..... "	....	....	....	....	....	....	4.50

RUBBER HOSE WASHERS

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price.....per pound	.90	.90	1.50	1.50	1.50	1.50

SIAMESE COUPLINGS

Plate 3430-H

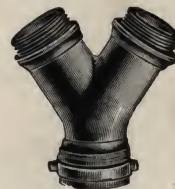


Plate 3431-H

Size, Iron Pipe.....inches	4	$3\frac{1}{2}$	3	$2\frac{1}{2}$
Size, both Nozzles.....inches	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$
Price.....each	15.00	15.00	12.00	10.00

If iron pipe thread is not wanted on nozzle always send sample of thread when ordering.

HOSE CLAMPS, COUPLINGS, ETC.

SHERMAN HOSE CLAMP



Plate 3432-H

IRON HOSE MENDER



Plate 3433-H

PLAIN HOSE COUPLING 1-INCH AND SMALLER



Plate 3434-H

SHERMAN WATER HOSE CLAMPS

Size	inches	1/4	3/8	3/8	1/2	1/2	1/2	3/4	3/4	3/4	1
Hose	ply	3	2	3	2	3	4	2	3	4	2
Price	per dozen	.60	.60	.60	.60	.60	.60	.60	.60	.60	2.00
Size	inches	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2 1/4	2 1/2	3
Hose	ply	3	4	3	4	3	4	3-4	3-4	3-4	3-4
Price	per dozen	2.00	2.00	2.50	2.50	3.00	3.00	4.00	6.50	7.00	10.00

SHERMAN STEAM HOSE CLAMPS

Size	inches	3/4	3/4	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2	2 1/2	2 1/2
Hose	ply	3	4	3	4	3	4	3-4	5	3-4	5	3-4	5
Inside Diameter	inches	1 7/8	1 7/8	1 5/8	1 3/4	1 5/8	1 3/4	2 3/8	2 3/8	2 1/2	2 7/8	3 1/4	3 3/8
Price	per dozen	2.00	2.00	2.50	2.50	3.00	3.00	3.50	4.00	5.50	6.50	8.50	9.50

HOSE MENDERS

Size	inches	1/2	3/4	1
Price, Iron	per dozen	.60	.75	1.00
" Brass	"	1.20	1.20	....

HOSE COUPLINGS

Size	inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Price, Hose Thread	per dozen	2.40	2.40	4.40	10.00	14.00	24.00	48.00
" Iron Pipe Thread	"	2.65	2.65	4.65	10.50	15.00	26.00	50.00
Size	inches	3	3 1/2	4	5	6	8	.....
Price, Hose Thread	per dozen	75.00	.....	.....	.....	.....	.....	.....
" Iron Pipe Thread	"	76.00	120.00	150.00	250.00	500.00	600.00	.....

GARDEN HOSE COUPLINGS

COUPLINGS



Plate 3435-H

SHELL



Plate 3436-H

KEY

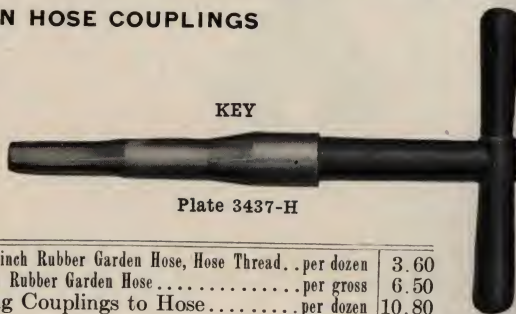


Plate 3437-H

Price, Couplings, for 1/2 or 3/4-inch Rubber Garden Hose, Hose Thread, ..	per dozen	3.60
" Shells, for 1/2 or 3/4-inch Rubber Garden Hose	per gross	6.50
" Keys, for Attaching Couplings to Hose	per dozen	10.80

HOSE PIPES, ETC.

UNDERWRITER'S

HOSE PIPES

SCREW TIP



Plate 3438-H



Plate 3439-H

UNDERWRITERS'

Size	inches	2	2½	2½	2½
Length	inches	20	24	30	36
Price, Wound and Painted	each	9.00	11.00	12.00	15.00
" Plain Brass	"	7.50	9.50	11.00	13.50
" Rubber Tube, Swivel Handles .....	"	....	....	15.00	18.00
" Leather " " " .....	"	....	....	....	18.00

SCREW TIP

Size	inches	¾	¾	1	1	1¼	1¼	1½	1½
Length	inches	7½	12	8½	12½	12	15	13	15
Price, Hose Thread ... per dozen		8.00	10.00	10.00	12.00	20.00	24.00	25.00	30.00
" Pipe " " "		9.20	11.20	11.20	13.20	21.20	25.00	27.50	32.50

Size	inches	2	2	2	2½	2½	2½	2½
Length	inches	12	15	20	15	20	24	30
Price, Hose Thread ... per dozen		38.00	45.00	50.00	75.00	96.00	100.00	144.00
" Pipe " " "		41.00	48.00	53.00	78.50	99.50	103.50	150.00

WITH COCK

PLAIN



Plate 3440-H



Plate 3441-H

PLAIN

Size	inches	¾	¾	1	1¼	1¼	1½	1½	2	2	2½	2½	2½
Length	inches	3	8	4	4¾	12	5¾	12	6¾	12	7½	12	22
Price, Hose Thread per doz.		4.00	7.00	5.00	12.00	18.00	18.00	22.00	26.00	34.00	37.40	55.00	92.00
" I. P. " " "		5.00	8.00	6.25	13.75	19.75	19.75	24.00	29.00	39.00	39.50	60.00	120.00

WITH COCK

Size	inches	¾	¾	¾	1	1	1¼	1½
Length	inches	6¾	8	12	8	12	12	12
Price, Hose Thread	per dozen	11.00	13.00	18.00	15.00	20.00	40.00	55.00
" Pipe " " "	"	12.20	14.20	19.20	18.00	23.00	43.00	60.00

Size	inches	2	2	2	2½	2½	2½	2½
Length	inches	12	20	25	20	24	30	36
Price, Hose Thread	per dozen	80.00	110.00	130.00	160.00	175.00	195.00	215.00
" Pipe " " "	"	83.00	113.00	133.00	170.00	185.00	205.00	225.00

GARDEN HOSE NOZZLES



Plate 3442-H

Size	inches	¾	1
Price	per dozen	10.00	15.00

LAWN SPRINKLERS

NATIONAL

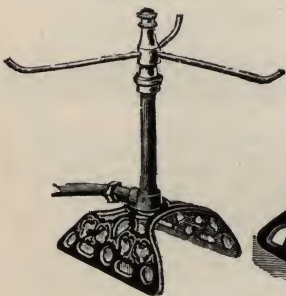


Plate 3443-H

JAPANESE

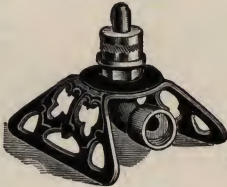


Plate 3444-H

STEARNS



Plate 3445-H

FOUNTAIN HEAD
FOR IRRIGATING AND
ORCHARD SPRAYING

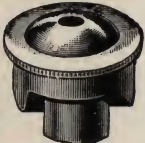


Plate 3446-H

The National has polished brass head, stem, nuts and arm and cast iron runner base.
The Japanese is adjustable so that from any pressure a spray may be obtained as light as steam or as heavy as the area of the supply pipe.
The Stearns is suitable for high or low pressure. High or low spray can be obtained by reversing the cap.

Price, National, Three-Arm, for 3/4-inch Hose.....	each	2.50
“ “ Four “ “ 3/4 “ “	“	3.00
“ Japanese, for 3/4-inch Hose.....	“	2.00
“ “ 1 “ “	“	2.50
“ Stearns, “ 3/4 “ “	“	1.00

FOUNTAIN HEADS

Number.....	7	8	80
Pipe Connections.....inches	1/2	3/4	1
Price.....each	1.50	2.00	2.50

CACTUS Nos. 5 AND 6
WITH CENTER SPRAY

CRESCENT



Plate 3447-H

Nos. 9 AND 10

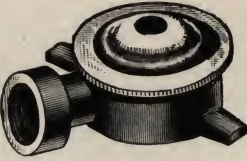


Plate 3448-H

CRESCENT



Plate 3449-H

The Crescent Sprinkler having two series of holes permits it to wet the whole surface and not merely a circle around the edge. It throws all water to the front and sides. Base, 8 1/2 inches wide.

Price.....	per dozen	9.00
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CACTUS

Cactus Sprinklers can be moved about the lawn without turning off the water, and having no revolving parts and made of metal will not corrode or rust; gritty water will not affect the spray, there being no small holes to clog up.

Number.....	9	10	5	6
Hose Connections.....inches	3/4	1	3/4	1
Price.....each	1.50	2.00	2.00	2.50

WIRT & KNOX HOSE RACKS

WIRT'S ROYAL RACK



Plate 3450-H

Made of pressed steel, with malleable iron fittings and rustless pins. Pins drop instantly as hose is withdrawn but remain attached to the rack ready for use again. Pins cannot possibly corrode. The body of the rack forms a cover over the top folds of the hose, protecting it from the accumulation of dust and dirt. May be attached to wall, standpipe or nipple below valve.

Number.....	18	19
Price, Japanned Red, Gold or Aluminum Bronze..each	5.00	6.00
“ Enameled White..... “	6.00	7.00
“ Nickel-plated on Steel..... “	7.00	8.00
“ Polished or Nickel-plated on Brass..... “	11.00	13.00
Capacity, Unlined Linen Hose..... feet	25 to 75	100 to 150

Prices include wall brackets or pipe clamps, the latter up to and including 4-inch. 4½-inch clamps, 25 cents; 5-inch, 30 cents; 6-inch, 35 cents each, net, extra.

For racks to be attached to valve, nipples are furnished only when specified, at the following prices: Plain pipe nipples with iron pipe thread, without extra charge, when in same finish as racks. Nipples with special or hose thread, as follows: Cast iron nipples, 1½-inch, .30; 2-inch, .40; 2½-inch, .45 each, net, extra. Cast brass nipples for iron racks, 1½-inch, .75; 2-inch, 1.00; 2½-inch, 1.25 each, net, extra. Cast brass nipples furnished with brass racks without extra charge.

WIRT'S HUMP RACK

Approved by the Associated Factory Mutual Fire Ins. Cos.

Constructed with the bottom of the rack higher in the center than at the ends, thus taking the weight off the ends or folds of the hose and preventing the hose from breaking at these folds. The end or front of the rack is partially enclosed so that the hose cannot be pulled off in a tangled mass. Made of steel tubing, steel rod and malleable iron.



Plate 3451-H

WIRT'S ANGLE IRON RACK—(Not Illustrated)

Approved by the Associated Factory Mutual Fire Ins. Cos.

Similar in construction to the Hump Rack, without the “hump” feature, and constructed of malleable iron, steel rod and angle iron.

Hump Rack No.	Angle Iron Rack No.	Capacity Feet	Size of Hose Inches	Kind of Hose	Price Each	Hump Rack No.	Angle Iron Rack No.	Capacity Feet	Size of Hose Inches	Kind of Hose	Price Each
A-0	70	50	1¼ or 1½	Unlined Linen	5.00	A-5	79	200	1¼ or 1½	Cotton Rubber-Lined Mill Linen	7.50
A-0X	71	50	2		5.00	A-5X	80	200	2		7.50
A-00	72	50	2½		5.00	A-6	81	200	2½		8.00
A-1	73	100	1¼ or 1½		6.00	A-3	76	50	1¼ or 1½		7.00
A-1X	74	100	2		6.00	A-3X	77	50	2		7.00
A-2	75	100	2½		6.00	A-4	78	50	2½		7.00
A-3	76	150	1¼ or 1½		7.00	A-5	79	100	1¼ or 1½		7.50
A-3X	77	150	2		7.00	A-5X	80	100	2		7.50
A-4	78	150	2½		7.00	A-6	81	100	2½		8.00

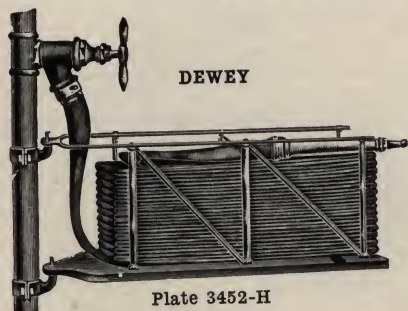
Nos. A-0, A-0X, A-00, 70, 71 and 72 will be furnished to hold 75 feet of linen hose, at 50 cents additional list.

Regular finish, red enamel. Finished in gold or aluminum bronze without extra charge. Will be finished in white enamel at 50 cents each, net, and nickel or copper-plated at 2.00 each, net, add.

In ordering, give size, kind and length of hose. When ordering, specify whether wall brackets or pipe clamps are wanted; if the latter, specify size.

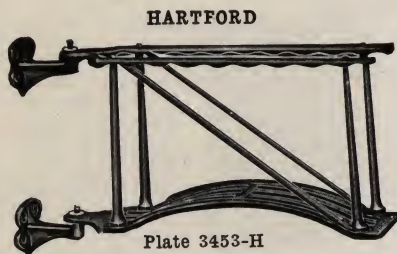
Pipe clamps, price, per pair: 5-inch, .35; 6-inch, .50; 7-inch, .65; 8-inch, .75 net, extra. The list price of racks covers brackets or pipe clamps up to 4-inch. For larger sizes the list of pipe clamps will prevail.

SWINGING HOSE RACKS



DEWEY

Plate 3452-H



HARTFORD

Plate 3453-H

The Dewey Rack is especially recommended for warehouses and manufacturing plants. The hose is folded flat and as the rack is usually suspended about six feet from the floor the hose is protected from damage and yet is instantly available in case of emergency. It is approved by the Associated Factory Mutual Insurance Companies.

The Hartford Rack is similar to the Dewey Rack, but it is made with an arched bedplate. The advantage of this is that the hose lies better on a rack with an arched bottom, as the arch supports the weight of the hose and relieves the folded ends of any pressure. The top of the hose so folded will be level and not concave.

The underwriters approve a hose rack with an arched bedplate, and the Hartford Rack is largely specified by architects and owners on account of the advantages above mentioned.

Dewey Racks Number	Hartford Racks Number	Size Hose Inches	Capacity Feet	Kind of Hose	Price Each
7	17	1 or 1 1/4	50	Unlined Linen	5.00
8	18	1 1/2	50	" "	5.00
9	19	2	50	" "	5.00
10	20	2 1/2	50	" "	5.00
7A	17A	1 or 1 1/4	75	" "	5.50
8A	18A	1 1/2	75	" "	5.50
9A	19A	2	75	" "	5.50
10A	20A	2 1/2	75	" "	5.50
10B	21A	1 or 1 1/4	100	" "	6.00
11	21	1 1/2 or 2	100	" "	6.00
12	22	2 1/2	100	" "	6.00
13	23	1 1/2 or 2	150	" "	7.00
14	24	2 1/2	150	" "	7.00
13	23	1 1/2 or 2	50	Rubber Lined Cotton Mill	7.00
14	24	2 1/2	50	" " " "	7.00
15	25	1 1/2 or 2	100	" " " "	7.50
16	26	2 1/2	100	" " " "	8.00

Both the Dewey and the Hartford Racks are packed "knocked down" in individual wooden boxes for convenience. Stock finish is red enamel, baked on. Nos. 15, 16, 25 and 26 will carry heavy rubber lined cotton hose in 50-foot lengths.

Both the Dewey and the Hartford Racks are furnished with pipe clamps or wall brackets. In ordering, state which attachment is desired and, if pipe clamps, give the size of the standpipe.

BOWES' HOSE RACKS

STYLE "J"

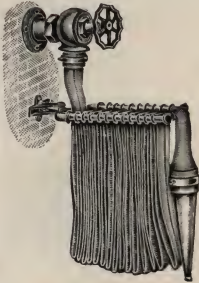


Plate 3454-H

STYLE "K"

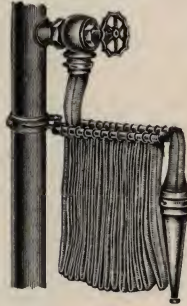


Plate 3455-H

STYLE "L"

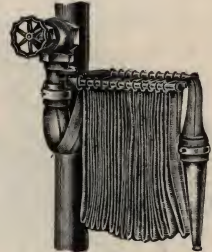


Plate 3456-H

NUMBER			Kind of Rack	Capacity Feet	Size Hose Inches	Kind of Hose	PRICE	
Style "J"	Style "K"	Style "L"					Regular	Nickel Plated
70X	80X	90X	Iron	50	1 1/4	Unlined Linen	5.00	6.00
70	80	90	"	50	1 1/2	"	5.00	6.00
71	81	91	"	50	2	"	5.00	6.00
72	82	92	"	50	2 1/2	"	5.00	6.00
73X	83X	93X	"	75	1 1/4	"	5.00	6.00
73	83	93	"	75	1 1/2	"	5.00	6.00
74	84	94	"	75	2	"	5.00	6.00
75	85	95	"	75	2 1/2	"	5.00	6.00
76X	86X	96X	"	100	1 1/4	"	6.00	7.00
76	86	96	"	100	1 1/2	"	6.00	7.00
77	87	97	"	100	2	"	6.00	7.00
78	88	98	"	100	2 1/2	"	6.00	7.00
79X	89AX	99AX	"	150	1 1/4	"	7.00	8.00
79A	89A	99A	"	150	1 1/2	"	7.00	8.00
79B	89B	99B	"	150	2	"	7.00	8.00
79C	89C	99C	"	150	2 1/2	"	7.00	8.00
170X	180X	190X	Brass	50	1 1/4	"	8.00	9.00
170	180	190	"	50	1 1/2	"	8.00	9.00
171	181	191	"	50	2	"	8.00	9.00
172	182	192	"	50	2 1/2	"	8.00	9.00
173X	183X	193X	"	75	1 1/4	"	8.00	9.00
173	183	193	"	75	1 1/2	"	8.00	9.00
174	184	194	"	75	2	"	8.00	9.00
175	185	195	"	75	2 1/2	"	8.00	9.00
176X	186X	196X	"	100	1 1/4	"	9.00	10.00
176	186	196	"	100	1 1/2	"	9.00	10.00
177	187	197	"	100	2	"	9.00	10.00
178	188	198	"	100	2 1/2	"	9.00	10.00
179AX	189AX	199AX	"	150	1 1/4	"	10.00	11.00
179A	189A	199A	"	150	1 1/2	"	10.00	11.00
179B	189B	199B	"	150	2	"	10.00	11.00
179C	189C	199C	"	150	2 1/2	"	10.00	11.00

The regular finish of Iron Racks is an architectural bronze plate. Brass is lacquered. All Bowes' Racks are packed in individual wooden boxes, which is a great convenience in ordering. Be sure and give the size of pipe clamps. Iron racks with regular finish are always sent unless otherwise specified.

HOSE REELS

STYLE A RYERSON

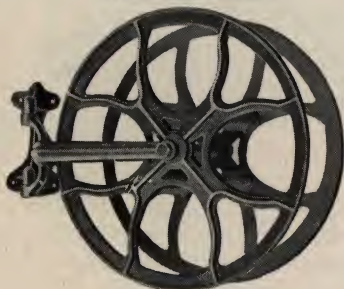


Plate 3457-H

CHAMPION



Plate 3458-H

VICTOR



Plate 3459-H

STYLE A RYERSON

This reel is made with wall brackets or pipe attachment. When ordering to be attached to a standpipe, the size of pipe should be specified.

No.	CAPACITY HOSE, FEET		Size, Hose Inches	Price Each
	Unlined Linen	Rubber-Lined Cotton		
1	175	50	1¼ or 1½	6.00
2	150	50	2	6.50
3	150	50	2½	7.00
4	250	100	1¼ or 1½	7.00
5	250	100	2	8.00
6	275	100	2½	8.50

CHAMPION

Price, No. 1; Capacity, 100 feet of ¾-inch Rubber Hose.....each	1.00
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VICTOR

This is an all metal reel, constructed with channel steel frame, strong cast iron wheels, solid steel reel arms and 9-inch drum of heavy corrugated steel. Equipped with a ring on side of frame to prevent reel from unwinding, when desired, and with holder at top of frame for holding nozzle when spraying. Shipping weight, 12½ pounds. Capacity, 100 feet of ¾-inch rubber hose.

Price.....each	1.60
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RUMSEY ANNAPOLIS AND WEST POINT SECTIONAL BOILERS

The following Annapolis and West Point Square or Sectional Boilers are the result of many years of experience in the manufacture of cast iron sectional boilers. In the designing of these boilers correct proportions have been maintained between the grate surface, the direct surface, and what is termed flue surface, or indirect surface, so as to ensure economical results, and give full value for the fuel consumed in the boiler. All competent engineers realize that in order to have economical boilers the proportion of grate service, direct surface, and flue surface must be taken into consideration, and that a boiler not having the correct proportions of grate surface, direct surface, and flue surface cannot be operated economically.

All boilers have been tested under conditions that would, as near as possible, represent the boiler when installed; and after the results of the test were ascertained, then the boilers were rated conservatively, so as to allow for the varying conditions under which boilers are liable to be installed and operated.

The greatest care is given to every detail of construction. This care, together with the high grade of materials used, absolutely ensures the greatest possible efficiency in each and every boiler manufactured. All parts are accurately machined and fitted; and the sections are connected with extra heavy slip nipples, making absolutely tight and leak-proof iron to iron joints, without gaskets or packing of any kind.

The crown sheets are at the right height to permit perfect combustion; and the flues are of the correct size and length, so as to transmit all the heat to the water. Free circulation of water is assured by large and smooth water passages in the sections. Each individual section is tested under hydrostatic pressure before being machined. Previous to the boilers being shipped they are assembled and again tested under hydrostatic pressure. These careful tests and the long experience, combined with the manufacture of the boilers, and the high reputation which they hold throughout the country, positively assure that these boilers will give the best and greatest satisfaction through a long period of years.

In all of the Annapolis and West Point Boilers in sizes smaller than the 48-inch series, the sections are cast in one piece. In the 48-inch series, the sections are cast in two pieces, so as to make them more convenient for handling, and also to enable them to be passed through small doors or windows.

On the 48-inch series of boilers tapings are provided in the rear of the back section, as shown upon page 651A; and it is necessary to connect these openings with a pipe yoke, so that water will equalize in each half. This pipe yoke, fittings and valves are not included in the price of the boiler.

TRIMMINGS

The trimmings for the steam boilers include the regular low pressure steam gauge, water column, water gauge, try cocks, safety valve, and an improved automatic damper regulator. No trimmings are included in the price list of water boilers.

GRATES

All Annapolis and West Point Boilers are equipped with shaking and dumping grates, and are suitable for burning all grades of fuel.

FIRING TOOLS

The firing tools furnished with the boilers, included in the price list, are as follows: Flue brush and handle, poker and scraper.

RUMSEY ANNAPOLIS AND WEST POINT SECTIONAL BOILERS

COIL OPENINGS

All Annapolis and West Point Boilers, and all Yale and Vassar Boilers are provided with openings in the fire pot or fire box for the introduction of a pipe coil, which can be used for heating water for domestic use; but for economical results we do not recommend the use of a coil or any other appliance in a fire pot of any of these boilers for heating water for domestic purposes; instead we advise the use of a separate water heater. See pages 659 to 663 for these water heaters.

GUARANTEE, RATING, ETC.

We guarantee that the Annapolis and West Point Boilers, and also the Yale and Vassar Boilers, shall be in perfect order when delivered to the transportation company at point of shipment. And in case there are any defects of material or workmanship in any boiler, or parts thereof, furnished by us, we will agree to promptly supply a new part free of charge, and deliver it by freight at the place where the defective boiler, or part, may be. But we will not be held responsible for any damage to the goods in transit, or from careless handling; and in no case will bills for work or repairs be allowed.

All Annapolis, West Point, Yale and Vassar Boilers have been carefully tested under conditions as near as possible that would represent the boiler when installed, and due allowances have been made for the varying conditions under which boilers are liable to be installed and operated.

It is understood that the ratings are based on the radiation being sufficient to heat all of the building to the required temperature, with a pressure not to exceed 2 pounds at the boiler. The ratings of water boilers are based on a standard water temperature of 180 degrees at the boiler. Ratings are for direct cast iron radiation. Indirect radiation adds 50 per cent to the drain upon the boiler; that is, 1000 feet of indirect cast iron radiation is equivalent to 1500 feet of direct cast iron radiation. The load upon the boiler is increased when only a portion of the building is to be heated; and the ratings of all boilers are based upon the condition that all of the building is to be heated; and that sufficient radiation is installed to heat the building to 70 degrees in zero weather. The ratings of all boilers are based upon the use of hard coal for fuel. A larger boiler should be used when soft coal, wood or coke, is to be used for fuel. All boilers should be covered with asbestos plastic cement to an average thickness of at least $1\frac{1}{2}$ inches. When boilers are not so covered, the number of square feet of exposed heating surface upon them (which can be easily determined from the published outside dimensions) should be increased by 75 per cent to obtain the equivalent of cast iron radiating surface. This additional surface should be included in the total drain upon the boiler capacity. All ratings provide that in estimating the size of the boiler required all piping mains, risers, valves, and returns should be figured in radiating surface, in addition to the cast iron radiating surface to be used. When a pipe coil is used as a radiator, add 25 per cent to the total number of square feet of surface to obtain the equivalent of cast iron radiation. If the piping in the basement is left uncovered the equivalent number of square feet of radiating surface which it contains should be increased 75 per cent in computing the size of the boiler required. When a pipe coil or a cast iron section is introduced into a fire pot, or a steam coil is placed in a tank for the purpose of heating water for domestic use, additional capacity should be provided in estimating the size of the boiler required, at the rate of $1\frac{1}{4}$ square feet of direct radiation for a steam boiler, and 2 square feet for a water boiler for each gallon of water to be thus heated per hour.

ANNAPOLIS AND WEST POINT BOILERS

ANNAPOLIS STEAM AND
WEST POINT WATER BOILER
48-INCH SERIES
REAR VIEW



Plate 3501-H
PIPING AND VALVES NOT INCLUDED
IN PRICE OF BOILER

ANNAPOLIS STEAM AND
WEST POINT WATER BOILER
18, 21, 28 AND 36-INCH SERIES



Plate 3500-H
FRONT SECTION REMOVED
SHOWING FIRE TRAVEL

GRATE

SHOWING FINGERS AROUND GRATE, WHICH PERMIT FREE CIRCULATION OF AIR
AND PREVENT FORMATION OF CLINKERS

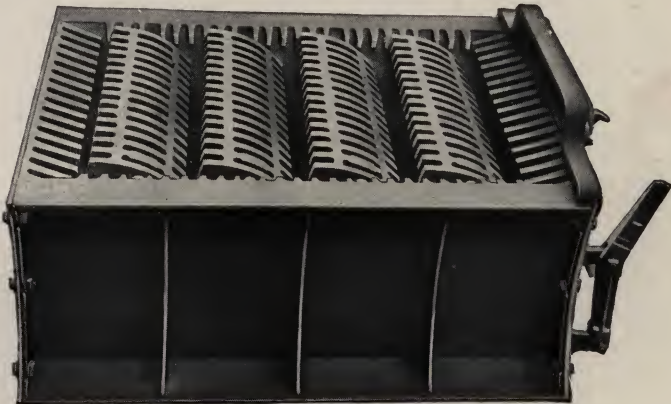


Plate 3502-H

ANNAPOLIS AND WEST POINT BOILERS

ANNAPOLIS STEAM—48-INCH SERIES

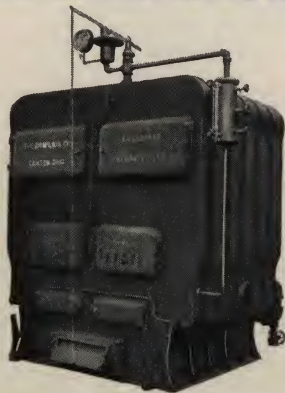


Plate 3503-H

WEST POINT WATER—48-INCH SERIES



Plate 3504-H

ANNAPOLIS STEAM—48-INCH SERIES

No. of Boiler	No. of Sections	Size of Ash Base Inches	Grate Area Square Feet	Length of Boiler Inches	Height of Boiler Including Trim-mings Inches	Width of Boiler Including Trim-mings Inches	Height to Water Line Inches	Size of Smoke Pipe Inches	Add to Length of Boiler for Smoke Hood Inches	No. and Size of Outlets Inches	*Rating Square Feet	Price Each
648	6	58x 51	16.16	52	96	78	67	21	19½	2-5	4700	1280.00
748	7	58x 59¾	19.	61	96	78	67	21	19½	3-5	5550	1450.00
848	8	58x 68½	22.	70	96	78	67	21	19½	3-5	6400	1620.00
948	9	58x 77¼	24.91	79	96	78	67	21	19½	4-5	7250	1790.00
1048	10	58x 86	27.83	88	96	78	67	21	19½	4-5	8100	1960.00
1148	11	58x 94¾	30.83	97	96	78	67	21	19½	5-5	8950	2130.00
1248	12	58x103½	33.66	106	96	78	67	21	19½	5-5	9800	2300.00

WEST POINT WATER—48-INCH SERIES

486	6	58x 51	16.16	52	79	69	..	21	19½	2-5	7750	1258.75
487	7	58x 59¾	19.	61	79	69	..	21	19½	3-5	9125	1427.00
488	8	58x 68½	22.	70	79	69	..	21	19½	3-5	10500	1595.25
489	9	58x 77¼	24.91	79	79	69	..	21	19½	4-5	11875	1763.50
4810	10	58x 86	27.83	88	79	69	..	21	19½	4-5	13250	1931.75
4811	11	58x 94¾	30.83	97	79	69	..	21	19½	5-5	14625	2100.00
4812	12	58x103½	33.66	106	79	69	..	21	19½	5-5	16000	2268.25

ANNAPOLIS STEAM—36-INCH SERIES

536	5	44x 42	9.94	42½	87	68	62	16	18	2-5	2300	774.00
636	6	44x 50¾	12.12	51	87	68	62	16	18	2-5	2825	889.00
736	7	44x 59½	14.31	59½	87	68	62	16	18	3-5	3350	1004.00
836	8	44x 68¼	16.50	68	87	68	62	16	18	3-5	3875	1119.00
936	9	44x 77	18.69	76½	87	68	62	16	18	4-5	4400	1234.00

WEST POINT WATER—36-INCH SERIES

5360	5	44x 42	9.94	42½	71	58	..	16	18	2-5	3800	754.00
6360	6	44x 50¾	12.12	51	71	58	..	16	18	2-5	4675	869.00
7360	7	44x 59½	14.31	59½	71	58	..	16	18	3-5	5550	984.00
8360	8	44x 68¼	16.50	68	71	58	..	16	18	3-5	6400	1099.00
9360	9	44x 77	18.69	76½	71	58	..	16	18	4-5	7275	1214.00

Back openings on 48-inch boilers should be yoked together so that both halves of boiler may be drained equally. Use a larger boiler for soft coal. *See page 650A.

Do not bush flow-pipe outlets of steam boilers; connect all of them full size to the main.

ANNAPOLIS AND WEST POINT BOILERS

ANNAPOLIS STEAM—28-INCH SERIES



Plate 3505-H

WEST POINT WATER—28-INCH SERIES



Plate 3506-H

ANNAPOLIS STEAM—28-INCH SERIES

No. of Boiler	No. of Sections	Size of Ash Base Inches	Grate Area Square Feet	Length of Boiler Inches	Height of Boiler Including Trim-mings Inches	Width of Boiler Including Trim-mings Inches	Height to Water Line Inches	Size of* Smoke Pipe Inches	Add to Length of Boiler for Smoke Hood Inches	No. and Size of Outlets Inches	*Ratings Square Feet	Price Each
528	5	36x36	6.73	35	81	57	56½	12	14	2—4	1475	542.00
628	6	36x43	8.12	42	81	57	56½	12	14	2—4	1825	646.00
728	7	36x50	9.50	49	81	57	56½	12	14	3—4	2175	751.00
828	8	36x57	10.90	56	81	57	56½	12	14	3—4	2525	855.00
928	9	36x64	12.27	63	81	57	56½	12	14	3—4	2875	960.00

WEST POINT WATER—28-INCH SERIES

5280	5	36x36	6.73	35	65	47	....	12	14	2—4	2450	532.00
6280	6	36x43	8.12	42	65	47	....	12	14	2—4	3025	636.00
7280	7	36x50	9.50	49	65	47	....	12	14	3—4	3600	741.00
8280	8	36x57	10.90	56	65	47	....	12	14	3—4	4175	845.00
9280	9	36x64	12.27	63	65	47	....	12	14	3—4	4750	950.00

ANNAPOLIS STEAM—21-INCH SERIES

521	5	28x36	4.82	36	76	49	52	10	11¼	2—4	1100	430.00
621	6	28x43	5.80	43	76	49	52	10	11¼	2—4	1300	490.00
721	7	28x50	6.79	50	76	49	52	10	11¼	2—4	1500	550.00
821	8	28x57	7.77	57	76	49	52	10	11¼	2—4	1700	610.00

WEST POINT WATER—21-INCH SERIES

5210	5	28x36	4.82	36	60	39	....	10	11¼	2—4	1800	420.00
6210	6	28x43	5.80	43	60	39	....	10	11¼	2—4	2150	480.00
7210	7	28x50	6.79	50	60	39	....	10	11¼	2—4	2475	540.00
8210	8	28x57	7.77	57	60	39	....	10	11¼	2—4	2825	600.00

Do not bush flow-pipe outlets of steam boilers; connect all of them full size to the main.
Use a larger boiler for soft coal. *See page 650A.

ANNAPOLIS AND WEST POINT BOILERS

ANNAPOLIS STEAM
18-INCH SERIES



Plate 3507-H

WEST POINT WATER
18-INCH SERIES
VIEW SHOWING FRONT SECTION
REMOVED



Plate 3508-H

ANNAPOLIS STEAM—18-INCH SERIES

No. of Boiler	No. of Sections	Size of Ash Base Inches	Grate Area Square Feet	Length of Boiler Inches	Height of Boiler Including Trim-mings Inches	Width of Boiler Including Trim-mings Inches	Height to Water Line Inches	Size of Smoke Pipe Inches	Add to Length of Boiler for Smoke Hood Inches	No. and Size of Outlets Inches	*Rating Square Feet	Price Each
518	5	25½x36	4.38	36	71	45½	49	10	12	2—4	900	370.00
618	6	25½x43	5.25	43	71	45½	49	10	12	2—4	1075	420.00
718	7	25½x50	6.13	50	71	45½	49	10	12	2—4	1250	470.00

WEST POINT WATER—18-INCH SERIES

5180	5	25½x36	4.38	36	55	35½	..	10	12	2—4	1450	360.00
6180	6	25½x43	5.25	43	55	35½	..	10	12	2—4	1750	410.00
7180	7	25½x50	6.13	50	55	35½	..	10	12	2—4	2050	460.00

ANNAPOLIS STEAM—15-INCH SERIES

415	4	25 x19½	2.19	19½	65	38½	42¾	8	8¾	2—3	425	210.00
515	5	25 x24¾	2.80	24¾	65	38½	42¾	8	8¾	2—3	550	245.00
615	6	25 x30	3.40	30	65	38½	42¾	8	8¾	2—3	675	290.00
715	7	25 x35¼	4.	35¼	65	38½	42¾	8	8¾	2—3	800	335.00

WEST POINT WATER—15-INCH SERIES

4150	4	25 x19½	2.19	19½	49	28½	..	8	8¾	2—3	650	200.00
5150	5	25 x24¾	2.80	24¾	49	28½	..	8	8¾	2—3	850	235.00
6150	6	25 x30	3.40	30	49	28½	..	8	8¾	2—3	1050	280.00
7150	7	25 x35¼	4.	35¼	49	28½	..	8	8¾	2—3	1250	325.00

Do not bush flow-pipe outlets of steam boilers; connect all of them full size to the main. Use a larger boiler for soft coal.

Additional details and measurements upon application.

*See page 650A.

RUMSEY YALE AND VASSAR BOILERS

The Yale Steam Boilers and Vassar Water Boilers represent the highest efficiency yet obtained in round boilers. They operate economically with very little attention, and are extremely durable. Although different in construction from the Annapolis and West Point Boilers in outward appearance, and somewhat modified in construction, all the desirable and essential principles are embodied in the make-up of the Yale and Vassar Boilers. Having deep fire pots to accommodate a large quantity of fuel, and large ash pits to accommodate a large amount of ashes, and yet permitting free circulation of air, these boilers give excellent results.

The Yale Boilers are provided with steam domes, of ample capacity, so as to accommodate a large amount of steam, and yet prevent the possibility of water working up into the mains and radiators.

The Yale Boiler is also equipped with an improved automatic regulator that operates in the same manner as the automatic damper regulator provided with the Annapolis Boiler. These automatic regulators act upon the butterfly draft door and check draft door.

The Yale Steam Boilers and the Vassar Water Boilers are equipped with large fire doors to conveniently permit adding fuel, and large ash pit doors and clinker doors, permitting the removal of ashes and clinkers; and proper size cleaning doors to permit the cleaning of the flue surfaces.

RUMSEY YALE AND VASSAR BOILERS

VIEW OF VASSAR BASE, SHOWING GRATES
AND LARGE ASH PIT



Plate 3509-H

These boilers are equipped with a grate of rocking and dumping variety that may be shaken without any possibility of being dumped or tipped, to completely empty the fire box of contents; or the grates can be locked stationary in position for firing. The grates are so constructed that any section may be easily replaced. Long experience in grate construction for house-heating boilers has demonstrated that this type of grate is more suitable and gives the very best satisfaction of any grate used in house-heating or round boilers.

The flues are large and staggered, thus compelling the gases to travel back and forth between the passages until every unit of heat is transmitted to the water within the boiler that it is practical to transmit.

The sections are set upon one another, and are connected in the same excellent way as in the Annapolis and West Point Boilers. Cast iron slip nipples are used, which are unaffected by expansion or contraction and they will wear indefinitely without leakage. No packing or gaskets of any kind are required.

TRIMMINGS

The usual trimmings are furnished with the Yale Steam Boilers, which consist of steam gauge, safety valve, water gauge, try cocks, and improved automatic damper regulator. No trimmings are included in the price list of the Vassar Water Boilers.

FIRE POT, SHOWING CORRUGATIONS



Plate 3510-H

For guarantee and rating, see page 650A.

YALE STEAM BOILERS



Plate 3511-H

No. of Boiler	Size of Ash Base Inches	Size of Fire Pot Inches	Grate Area Square Feet	Height to Water Line Inches	Height to Outlet Boss Inches	Size of Smoke Pipe Inches	No. and Size of Outlets and Inlets Inches	Ratings Square Feet	Price Each
1015	25 $\frac{1}{4}$	15	1.22	43	49 $\frac{1}{4}$	6	2-2	250	132.00
1017	25 $\frac{1}{4}$	17	1.40	41	47	7	2-2	275	140.50
2017	25 $\frac{1}{4}$	17	1.40	45	51	7	2-2	300	149.50
3017	25 $\frac{1}{4}$	17	1.40	49	55	7	2-2	325	158.00
1019	27 $\frac{1}{4}$	19	1.76	41	48	7	2-2 $\frac{1}{2}$	350	167.00
2019	27 $\frac{1}{4}$	19	1.76	45 $\frac{1}{4}$	52 $\frac{1}{4}$	7	2-2 $\frac{1}{2}$	400	193.00
3019	27 $\frac{1}{4}$	19	1.76	49 $\frac{1}{2}$	56 $\frac{1}{2}$	7	2-2 $\frac{1}{2}$	450	219.00
1022	30 $\frac{1}{2}$	22	2.40	41 $\frac{3}{4}$	50 $\frac{1}{4}$	9	2-3	500	220.00
2022	30 $\frac{1}{2}$	22	2.40	46 $\frac{1}{4}$	54 $\frac{1}{2}$	9	2-3	575	240.00
3022	30 $\frac{1}{2}$	22	2.40	50 $\frac{3}{4}$	58 $\frac{3}{4}$	9	2-3	650	260.00
1025	35	25	3.20	43 $\frac{1}{2}$	52	9	2-3 $\frac{1}{2}$	700	300.00
2025	35	25	3.20	48	57	9	2-3 $\frac{1}{2}$	775	330.00
3025	35	25	3.20	52 $\frac{1}{2}$	62	9	2-3 $\frac{1}{2}$	850	360.00
1028	39	28	4.12	46 $\frac{1}{4}$	53 $\frac{1}{2}$	9	2-4	900	361.00
2028	39	28	4.12	51 $\frac{3}{4}$	59	9	2-4	1000	389.00
3028	39	28	4.12	57 $\frac{1}{4}$	64 $\frac{1}{2}$	9	2-4	1100	417.00

Additional details of measurements furnished upon application. *See page 650A.

Use size larger fire pot for soft coal.

VASSAR WATER BOILERS



Plate 3512-H

No. of Boiler	Size of Ash Base Inches	Size of Fire Pot Inches	Grate Area Square Feet	Height to Top Outlet Inches	Size of Smoke Pipe Inches	No. and Size of Outlets and Inlets Inches	*Ratings Square Feet	Price Each
2170	25 $\frac{1}{4}$	17	1.40	45	7	2-2	400	130.00
3170	25 $\frac{1}{4}$	17	1.40	49	7	2-2	500	140.50
4170	25 $\frac{1}{4}$	17	1.40	53	7	2-2	550	153.50
2190	27 $\frac{1}{4}$	19	1.76	46	8	2-2 $\frac{1}{2}$	675	187.50
3190	27 $\frac{1}{4}$	19	1.76	50	8	2-2 $\frac{1}{2}$	750	197.00
4190	27 $\frac{1}{4}$	19	1.76	54	8	2-2 $\frac{1}{2}$	825	210.50
2220	30 $\frac{1}{2}$	22	2.40	47 $\frac{3}{4}$	9	2-3	800	207.50
3220	30 $\frac{1}{2}$	22	2.40	52	9	2-3	875	217.50
4220	30 $\frac{1}{2}$	22	2.40	56 $\frac{1}{4}$	9	2-3	950	230.00
1250	35	25	3.20	45 $\frac{1}{2}$	10	2-3	1050	274.00
2250	35	25	3.20	50	10	2-3	1150	290.00
3250	35	25	3.20	54 $\frac{1}{2}$	10	2-3	1250	307.00
4250	35	25	3.20	59	10	2-3	1350	325.00
2280	39	28	4.12	52	12	2-4	1400	336.00
3280	39	28	4.12	57	12	2-4	1500	350.00
4280	39	28	4.12	62	12	2-4	1600	372.50
5280	39	28	4.12	67	12	2-4	1700	389.50

Additional details of measurements furnished upon application. *See page 650A.

Use size larger fire pot for soft coal.

RUMSEY LAUNDRY STOVES

RATINGS FOR TANK HEATERS AND LAUNDRY STOVES

Actual practice has proven that a heater that will impart from 25 to 30 degrees per hour to the water in the storage tank is sufficiently large for ordinary household use.

The ratings given herein are based upon raising the quantity of water stated in gallons 25 degrees Fahr. per hour when connected to a storage tank of ample capacity. Where the demand for hot water is greater, it is necessary to increase the size of the heater proportionately. For instance, in the case of apartment buildings, barber shops, etc., it is customary to figure on a heater that will raise the water from 40 to 45 degrees per hour.

When soft coal is used for fuel, one size larger heater is required than when hard coal is used.

It is more economical to use a separate tank heater for providing hot water for domestic purposes than it is to have a water coil or auxiliary heater inserted in the fire chamber of the boiler used for house heating purposes.

A tank heater which will heat water to 100 degrees in less than 3 hours should not be used unless a safety valve is provided to relieve the pressure when the water reaches the boiling point. Frequently hot water is not used for three or four hours, and the water becomes overheated. Unless a safety valve is provided, an excessive pressure may be generated and damage done the apparatus.

On all tank heaters used on direct water pressure, or in high buildings, a good sized relief or safety valve should be placed, and this should be set at a pressure 5 pounds above the static pressure when the heater and tank are cold, or where the water is below 150 degrees. This is important, for if the water be overheated it will expand and will sometimes increase the pressure to as much as double the ordinary working pressure. A relief or overflow pipe should be carried from the top of roof tank when connected to a tank heater.

Valves should never be placed between a storage tank and heater, as excessive pressure will be generated and damage done apparatus and surrounding property should valves be closed while in operation.

When water heaters are subjected to some unusual pressure, as is the case when tanks are connected direct to city pumping station, and the pressure is increased during times of conflagration or the like, it is recommended that the system be equipped with a water pressure reducing valve, and it is also absolutely necessary to install a safety valve.



Plate 3515-H

RUMSEY HANDY

A very successful and economical heater. The water circulates around the entire fire pot and is heated very quickly.

All heaters are tapped for 1-inch pipe and are therefore ready for connection to range boiler or pressure tank.

Number	280	480
Tank Capacity.....gallons	30	30
Price	23.00	26.00

RUMSEY LAUNDRY STOVES

RUMSEY "ST. LOUIS"



Plate 3516-H

RUMSEY "SPECIAL"



Plate 3517-H

RUMSEY "ST. LOUIS"

The internal construction of these stoves is similar to our regular tank heaters, with the exception that the top is made oval to provide for use of a wash boiler and this also provides a larger surface for heating irons.

No.	Height Inches	Size of Top Inches	Diam. of Base Inches	Diam. of Grate Inches	Smoke Pipe Inches	Outlet Inches	Tank Capacity Gallons	Price Each
110	26	18x24 $\frac{1}{2}$	18	10	6	1 $\frac{1}{4}$	80	32.00

RUMSEY "SPECIAL"

These heaters are same as the "St. Louis," except that the height is increased to give increased heating capacity.

No.	Height Inches	Size of Top Inches	Diam. of Base Inches	Diam. of Grate Inches	Smoke Pipe Inches	Outlet Inches	Tank Capacity Gallons	Price Each
110	32	18x24 $\frac{1}{2}$	18	10	6	1 $\frac{1}{4}$	100	36.00
112	32	18x24 $\frac{1}{2}$	18	12	6	1 $\frac{1}{2}$	150	40.00

Use larger size for soft coal.

RUMSEY TANK HEATERS

SERIES A



Plate 3518-H

ASH PIT OF SERIES A
TANK HEATERS



Plate 3519-H

SERIES A WITH FIRE DOOR



Plate 3520-H

RUMSEY SERIES A TANK HEATERS

The fire pot or water chamber of Rumsey Series A Tank Heater is of ample depth to maintain a good live fire with but little attention, and being corrugated in the interior, it permits perfect combustion of fuel nearest the water chamber, thereby securing results not obtainable with the ordinary tank heater having straight walls. The waterways are thin, causing very rapid circulation of the water, thus making its operation very economical. The ash pit is of a substantial design, the grate, improved rocking and dumping type, permitting the fire to be kept in the best possible condition. The top plate contains a fire door in front whereby the necessary fuel can be added, and which does away with the annoyance of having to remove any of the lids, as is the case with the ordinary tank heater. Any kind of fuel can be successfully used in these heaters.

No.	Height Inches	Diameter of Heater Inches	Diameter of Grate Inches	Outlet Inches	Smoke Pipe Inches	Capacity of Tank Gallons	Price Each
19	26	18	10	1 1/4	6	80	30.00
110	32	18	10	1 1/4	6	100	33.00
112	32	18	12	1 1/2	6	150	38.00
114	36	23	14	2	6	250	52.00

RUMSEY SERIES A TANK HEATERS, WITH FIRE DOOR

The Rumsey Series A Tank Heater, No. 114 1/2 is provided with a fire door in front, making it very convenient for the maintenance of a large body of fire at all times. The fire pot is of ample size and of a depth to keep the fire well in control. The waterway extending across the top of the fire pot gives it an increased amount of effective heating surface, and makes the circulation very rapid. These heaters are provided with an ash pit similar to that of the regular tank heaters and are very durable and economical. Size of fire door opening, 6 1/2 x 11 inches.

No.	Height Inches	Diameter of Heater Inches	Diameter of Grate Inches	Outlet Inches	Smoke Pipe Inches	Capacity of Tank Gallons	Price Each
114 1/2	36	23	14	2	6	300	70.00

When soft coal is used for fuel, a size larger heater is required than when hard coal is used.

RUMSEY TANK HEATERS



Plate 3521-H



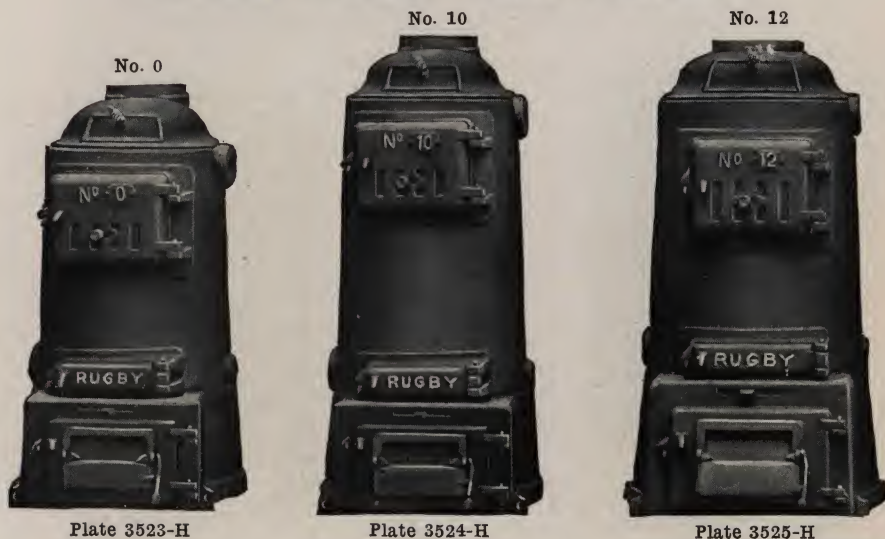
Plate 3522-H

Rumsey Tank Heaters have extra deep corrugated fire pot. Above and arched over the fire are a series of flat drop tubes connected to the water chamber at the sides and which add exceptional heating surface. These tubes drain perfectly and allow no sediment nor scale to lodge in them and cause them to burn out. The waterways are thin, which permits of very rapid circulation. The grate is the same as that used in connection with our other tank heaters, being rocking and dumping, of an improved design, adapted to the use of any kind of fuel. Clinker doors are provided in the fire pot, thus avoiding the necessity of dumping the grate to clean the fire. These heaters are very efficient and economical.

No.	Height Inches	Diameter of Heater Inches	Diameter of Grate Inches	Smoke Pipe Inches	Outlet Inches	Tank Capacity Gallons	Price Each
1107	32½	16	10	5	1-1½	100	34.00
*1108	37	16	10	5	1-1½	150	48.00
1109	41	20	12	6	3-1½	225	57.00
*1110	46	20	12	6	3-1½	300	73.00

*These heaters have additional section. Size of door openings: Nos. 1107 and 1108, 5¼x7 inches; Nos. 1109 and 1110, 6x9¾ inches.

RUMSEY RUGBY TANK HEATERS



These heaters consist of but three main parts: The fire pot, ash pit, and smoke dome. The fire pot and top crown waterways are cast in one piece. The former deep to accommodate a deep bed of fuel and the interior is corrugated. This gives one-third more direct heating surface than if it were plain and improves the combustion by permitting free circulation of air around the edges of the fire. If clinkers form from poor coal, they may be easily removed through a convenient door that is provided. The ash pit is one piece with a door of ample size for the convenient removal of ashes. Being high, it permits free circulation of air and gives good combustion and a good hot fire at all times. The grate is of the shaking dumping variety adapted for burning hard coal or soft coal and gas. The smoke dome is provided with a cleanout door in front and a check draft in the rear. You may choose from six sizes of Rumsey Rugby Heaters, with capacities ranging from 1 to 600 gallons per hour.

Number	0	10	12	16	18	20	22
Diameter of Grate.....inches	10	10	12	12	15	17	19
Size of Base....."	17	17	20	20	26	25 $\frac{1}{4}$	27 $\frac{1}{4}$
Diameter of Fire Pot at Bottom.."	14 $\frac{1}{2}$	14 $\frac{1}{2}$	16 $\frac{1}{4}$	16 $\frac{1}{4}$	19 $\frac{1}{2}$	21	23
Height of Water Barrel....."	18	22	20	24	26	28	29
" from Floor to Center of Upper Tapping Boss	25	29	29	33	38	41	42
" " " " " Lower " "	10	10	11 $\frac{1}{2}$	11 $\frac{1}{2}$	15 $\frac{1}{2}$	16	16
" " Grates to Bottom of Fire Door	9 $\frac{1}{2}$	14	10	13	16 $\frac{1}{2}$	13	13 $\frac{1}{2}$
" under Grate in Ash Pit..."	7 $\frac{1}{2}$	7 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{1}{2}$	12 $\frac{1}{2}$	12 $\frac{1}{2}$	12 $\frac{1}{2}$
" from Floor to Top of Smoke Dome	31	35	35	39	44	41	42
Size of Fire Door....."	8x6	8x6	8 $\frac{1}{2}$ x6 $\frac{1}{2}$	8 $\frac{1}{2}$ x6 $\frac{1}{2}$	10 $\frac{1}{4}$ x7	12x9	12x9
" " Outlets....."	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2-2	2-2	2-2 $\frac{1}{2}$
" " Inlets....."	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2-2	2-2	2-2 $\frac{1}{2}$
" " Smoke Pipe....."	5	5	6	6	6	7	8
Capacity.....gallons	100	200	250	300	350	450	600
Ratings.....square feet	75	150	190	200	270	350	500
Price .....each	40.00	50.00	60.00	70.00	80.00	105.00	138.00

McLAIN CAST IRON RADIATORS

SINGLE-COLUMN—FOR STEAM OR WATER

ORNAMENTAL



Plate 3526-H

PLAIN



Plate 3527-H

No. of Sections	*Length Inches 2 1/4 Inches per Section	HEATING SURFACE, SQUARE FEET				
		38 Inches High 3 Sq. Ft. per Section	32 Inches High 2 1/2 Sq. Ft. per Section	26 Inches High 2 Sq. Ft. per Section	22 Inches High 1 3/4 Sq. Ft. per Section	18 Inches High 1 1/3 Sq. Ft. per Section
2	5	6	5	4	3 1/3	2 2/3
3	7 1/2	9	7 1/2	6	5	4
4	10	12	10	8	6 2/3	5 1/3
5	12 1/2	15	12 1/2	10	8 1/3	6 2/3
6	15	18	15	12	10	8
7	17 1/2	21	17 1/2	14	11 2/3	9 1/3
8	20	24	20	16	13 1/3	10 2/3
9	22 1/2	27	22 1/2	18	15	12
10	25	30	25	20	16 2/3	13 1/3
11	27 1/2	33	27 1/2	22	18 1/3	14 2/3
12	30	36	30	24	20	16
13	32 1/2	39	32 1/2	26	21 2/3	17 1/3
14	35	42	35	28	23 1/3	18 2/3
15	37 1/2	45	37 1/2	30	25	20
16	40	48	40	32	26 2/3	21 1/3
17	42 1/2	51	42 1/2	34	28 1/3	22 2/3
18	45	54	45	36	30	24
19	47 1/2	57	47 1/2	38	31 2/3	25 1/3
20	50	60	50	40	33 1/3	26 2/3
21	52 1/2	63	52 1/2	42	35	28
22	55	66	55	44	36 2/3	29 1/3
23	57 1/2	69	57 1/2	46	38 1/3	30 2/3
24	60	72	60	48	40	32
25	62 1/2	75	62 1/2	50	41 2/3	33 1/3

*In estimating length of radiator, allow 1/2 inch for each bushing.

Width across body of section, 5 1/4 inches; width across feet, 6 1/8 inches.

Distance from floor to center of tapping, 4 1/2 inches.

All radiators tapped 2 inches and bushed as per list on page 677.

For list price see page 676A.

McLAIN CAST IRON RADIATORS TWO-COLUMN—FOR STEAM OR WATER

ORNAMENTAL



Plate 3528-H

PLAIN



Plate 3529-H

No. of Sections	*Length Inches 2½ Inches per Section	HEATING SURFACE, SQUARE FEET					
		45 Inches High 5 Sq. Ft. per Section	38 Inches High 4 Sq. Ft. per Section	32 Inches High 3½ Sq. Ft. per Section	26 Inches High 2¾ Sq. Ft. per Section	22 Inches High 2¼ Sq. Ft. per Section	18 Inches High 1¾ Sq. Ft. per Section
2	5	10	8	6⅔	5⅓	4½	3½
3	7½	15	12	10	8	6¾	5¼
4	10	20	16	13⅓	10⅔	9	7
5	12½	25	20	16⅔	13⅓	11¼	8¾
6	15	30	24	20	16	13½	10½
7	17½	35	28	23⅓	18⅔	15¾	12¼
8	20	40	32	26⅔	21⅓	18	14
9	22½	45	36	30	24	20¼	15¾
10	25	50	40	33⅓	26⅔	22½	17½
11	27½	55	44	36⅔	29⅓	24¾	19¼
12	30	60	48	40	32	27	21
13	32½	65	52	43⅓	34⅔	29¼	22¾
14	35	70	56	46⅔	37⅓	31½	24½
15	37½	75	60	50	40	33¾	26¼
16	40	80	64	53⅓	42⅔	36	28
17	42½	85	68	56⅔	45⅓	38¼	29¾
18	45	90	72	60	48	40½	31½
19	47½	95	76	63⅓	50⅔	42¾	33¼
20	50	100	80	66⅔	53⅓	45	35
21	52½	105	84	70	56	47¼	36¾
22	55	110	88	73⅓	58⅔	49½	38½
23	57½	115	92	76⅔	61⅓	51¾	40¼
24	60	120	96	80	64	54	42
25	62½	125	100	83⅓	66⅔	56¼	43¾

*In estimating length of radiator, allow ½ inch for each bushing.

Width across body of section, 6⅞ inches; width across feet, 7¾ inches.

Distance from floor to center of tapping, 4½ inches.

All radiators tapped 2 inches and bushed as per list on page 677.

For list prices see page 676A.

McLAIN CAST IRON RADIATORS

THREE-COLUMN—FOR STEAM OR WATER

ORNAMENTAL



Plate 3530-H

PLAIN



Plate 3531-H

No. of Sections	*Length Inches 2½ Inches per Section	HEATING SURFACE, SQUARE FEET					
		45 Inches High 6 Sq. Ft. per Section	38 Inches High 5 Sq. Ft. per Section	32 Inches High 4½ Sq. Ft. per Section	26 Inches High 3¾ Sq. Ft. per Section	22 Inches High 3 Sq. Ft. per Section	18 Inches High 2¼ Sq. Ft. per Section
2	5	12	10	9	7½	6	4½
3	7½	18	15	13½	11¼	9	6¾
4	10	24	20	18	15	12	9
5	12½	30	25	22½	18¾	15	11¼
6	15	36	30	27	22½	18	13½
7	17½	42	35	31½	26¼	21	15¾
8	20	48	40	36	30	24	18
9	22½	54	45	40½	33¾	27	20¼
10	25	60	50	45	37½	30	22½
11	27½	66	55	49½	41¼	33	24¾
12	30	72	60	54	45	36	27
13	32½	78	65	58½	48¾	39	29¼
14	35	84	70	63	52½	42	31½
15	37½	90	75	67½	56¼	45	33¾
16	40	96	80	72	60	48	36
17	42½	102	85	76½	63¾	51	38¼
18	45	108	90	81	67½	54	40½
19	47½	114	95	85½	71¼	57	42¾
20	50	120	100	90	75	60	45
21	52½	126	105	94½	78¾	63	47¼
22	55	132	110	99	82½	66	49½
23	57½	138	115	103½	86¼	69	51¾
24	60	144	120	108	90	72	54
25	62½	150	125	112½	93¾	75	56¼

*In estimating length of radiator, allow ½ inch for each bushing.
Width across body of section, 9 inches; width across feet, 9¾ inches.
Distance from floor to center of tapping, 4½ inches.

All radiators tapped 2 inches and bushed as per list on page 677.

For list prices see page 676A.

McLAIN CAST IRON RADIATORS

FOUR-COLUMN—FOR STEAM OR WATER

ORNAMENTAL



Plate 3532-H

PLAIN



Plate 3533-H

No. of Sections	*Length Inches 3 Inches per Section	HEATING SURFACE, SQUARE FEET					
		45 Inches High 10 Sq. Ft. per Section	38 Inches High 8 Sq. Ft. per Section	32 Inches High 6½ Sq. Ft. per Section	26 Inches High 5 Sq. Ft. per Section	22 Inches High 4 Sq. Ft. per Section	18 Inches High 3 Sq. Ft. per Section
2	6	20	16	13	10	8	6
3	9	30	24	19½	15	12	9
4	12	40	32	26	20	16	12
5	15	50	40	32½	25	20	15
6	18	60	48	39	30	24	18
7	21	70	56	45½	35	28	21
8	24	80	64	52	40	32	24
9	27	90	72	58½	45	36	27
10	30	100	80	65	50	40	30
11	33	110	88	71½	55	44	33
12	36	120	96	78	60	48	36
13	39	130	104	84½	65	52	39
14	42	140	112	91	70	56	42
15	45	150	120	97½	75	60	45
16	48	160	128	104	80	64	48
17	51	170	136	110½	85	68	51
18	54	180	144	117	90	72	54
19	57	190	152	123½	95	76	57
20	60	200	160	130	100	80	60
21	63	210	168	136½	105	84	63
22	66	220	176	143	110	88	66
23	69	230	184	149½	115	92	69
24	72	240	192	156	120	96	72
25	75	250	200	162½	125	100	75

*In estimating length of radiator, allow ½ inch for each bushing.
 Width across body of section, 12¾ inches; width across feet, 13½ inches.
 Distance from floor to center of tapping, 4½ inches.
 All radiators tapped 2 inches and bushed as per list on page 677.
 For list prices see page 676A.

McLAIN CAST IRON RADIATORS

FIVE-COLUMN—FOR STEAM OR WATER

PLAIN PATTERN



Plate 3534-H

No. of Sections	*Length Inches 3 Inches per Section	HEATING SURFACE, SQUARE FEET		
		20 Inches High 5 Square Feet per Section	17 Inches High 4½ Square Feet per Section	14 Inches High 4 Square Feet per Section
2	6	10	9	8
3	9	15	13½	12
4	12	20	18	16
5	15	25	22½	20
6	18	30	27	24
7	21	35	31½	28
8	24	40	36	32
9	27	45	40½	36
10	30	50	45	40
11	33	55	49½	44
12	36	60	54	48
13	39	65	58½	52
14	42	70	63	56
15	45	75	67½	60
16	48	80	72	64
17	51	85	76½	68
18	54	90	81	72
19	57	95	85½	76
20	60	100	90	80
21	63	105	94½	84
22	66	110	99	88
23	69	115	103½	92
24	72	120	108	96
25	75	125	112½	100

*In estimating length of radiator, allow ½ inch for each bushing.

Width across body of section, 12⅝ inches; width across feet, 13½ inches.

Distance from floor to center of tapping: 20 and 17-inch, 3 inches; 14-inch, 2⅝ inches.

All radiators tapped 2 inches and bushed as per list on page 677.

For list prices see page 676A.

CAST IRON RADIATORS**FOR STEAM AND WATER****DINING ROOM**

Plate 3535-H

PANTRY

Plate 3536-H

DINING ROOM

Number	Length Inches	Heating Surface Square Feet	PRICE, EACH	
			For Water	For Steam
1	30	37½	50.00	46.00
2	35	47½	55.00	50.00
3	40	57½	60.00	54.00
4	45	67½	65.00	58.00
5	50	77½	70.00	62.00
6	55	87½	75.00	66.00
7	60	97½	80.00	70.00
8	65	107½	85.00	74.00
9	70	117½	90.00	78.00
10	75	127½	95.00	82.00

Made in three-column only. Ovens are all the same size, 24x11x16 inches. Height of radiator complete, 38½ inches. Distance from back of oven to center of radiator tappings, 5¾ inches.

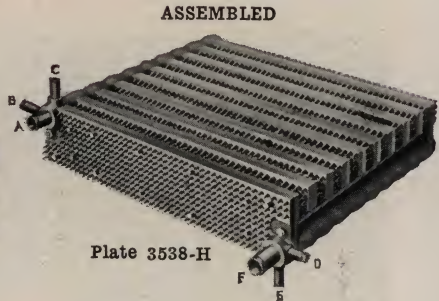
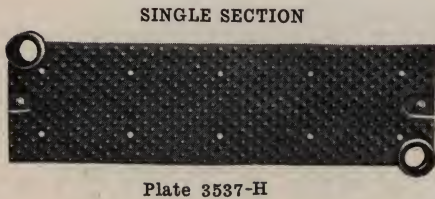
PANTRY

This type of radiator is useful for pantries, restaurants, dining rooms and any place where heat is required and the additional service of plate warming needed. It is made up in seven-foot size only. The radiator may be constructed from one to five sections high.

Number	Height Inches	Length Inches	Width Inches	Heating Surface Square Feet	Price Each
1	7	24¼	13¼	7	8.00
2	17	24¼	13¼	15	15.00
3	27	24¼	13¼	23	22.00
4	37	24¼	13¼	31	29.00
5	47	24¼	13¼	39	36.00

For tappings, see page 677.

PIN INDIRECT RADIATORS



Tappings on indirect radiators can be made at A, B, C, D, E or F, but unless otherwise ordered they will be tapped at A and F, as follows: 10-foot section, 1½ inches; 15 and 20-foot sections, 2 inches; bushed as desired.

All pin indirect sections are regularly connected with extra heavy malleable iron push nipples, but on special order extra heavy right and left-hand screw nipples having hexagon nut at center can be furnished.

Radiator sections are assembled at factory and shipped complete, unless specially ordered otherwise. By assembling at factory the radiators can be thoroughly tested to prevent leaky joints and at the same time save much of fitter's time in setting.

When specially ordered, sections are shipped unassembled with bolts and nipples for putting together, but when so ordering, always specify the number of stacks and number of sections in each stack, that the proper bolts may be sent.

An additional charge of 10 per cent of the net price will be made when hexagon screw nipple connections are ordered.

An additional net charge of one cent per square foot is made for assembling at factory.

Square Feet per Section	Length of Section Inches	Depth of Section Inches	Depth Over All Inches	CENTER TO CENTER, INCHES	
				Push Nipple	Screw Nipple
10	36¼	7¾	8⅝	3⅛	4⅛
15	36½	10⅝	11⅝	3¼	4¼
20	36	14	14¾	3¾	4¾

For list prices, see page 676A.

WALL RADIATORS

FOR STEAM OR WATER

VERTICAL

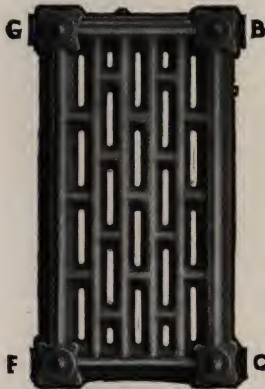


Plate 3539-H

HORIZONTAL



Plate 3540-H

This style of radiator is well adapted to heat small rooms, narrow halls, bath rooms, churches, gymnasiums, car barns, factories, steamships, etc., where floor space is limited. They are built up in various ways, so that they may be used horizontally, vertically or in flat form for hanging on ceilings, etc.

ASSEMBLING.—Sections are connected with $1\frac{1}{2}$ -inch right and left-hand inside nipples, which have two lugs cast on inside. With a bar flattened at one end inserted between these lugs the sections can be easily removed. A bar of $1\frac{1}{4}$ -inch iron will answer, or a special wrench.

TAPPINGS.—These wall radiators are tapped $1\frac{1}{2}$ inches with one end right-hand and the other left-hand, but are bushed as required. The inside threads of all bushings are right-hand unless otherwise ordered. If tapping is not shown on illustration as wanted, it should be indicated on a special sketch. When more than four tappings are required in one suction an extra charge is made for the extra tappings, at 10 cents each, net.

DIRECTIONS FOR ORDERING AND SHIPPING.—When so ordered wall radiator sections can be shipped separately with nipples for assembling, but unless otherwise specified they will be shipped as follows: Three sections assembled when like Plate 3542-H or Plate 3555-H; four sections assembled when like Plate 3541-H. When so specified more sections can be assembled for shipping, for which a net charge of 10 cents for each additional section is made.

A right and left-hand threaded nipple having a center hexagon nut is provided to connect the assembled parts on the job. For steam, such parts should be connected at the bottom only, and the upper opening should be plugged.

Both horizontal and vertical tapped sections are carried in stock at factory, but they are not interchangeable, hence to avoid mistakes it is necessary to state clearly which is wanted.

If possible, designate style of setting wanted by referring to one of the figure numbers, otherwise make a sketch showing whether the sections are to be set horizontally or vertically, and state if tappings are wanted.

Sizes	Number of Square Feet in Each Section	Width of Each Section Inches	Length of Each Section Inches	Thickness of Each Section Inches	Extends from Wall with Bracket Inches
Extra Large	9	$13\frac{1}{4}$	$29\frac{1}{4}$	3	$3\frac{3}{4}$
Standard	7	$13\frac{1}{4}$	$24\frac{1}{4}$	3	$3\frac{3}{4}$
Small	5	$13\frac{1}{4}$	$19\frac{1}{4}$	3	$3\frac{3}{4}$

For list prices, see page 676A.

WALL RADIATORS

ASSEMBLAGE

VERTICAL, THREE SECTIONS IN ONE ROW, WATER OR STEAM

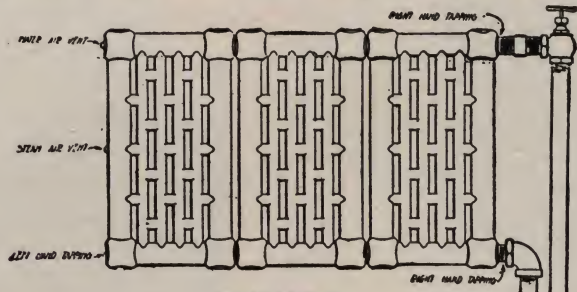


Plate 3541-H

HORIZONTAL, TWO SECTIONS IN TWO ROWS, WATER OR STEAM

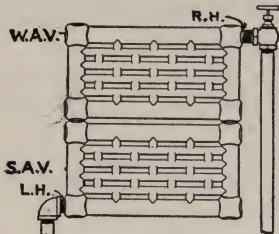


Plate 3542-H

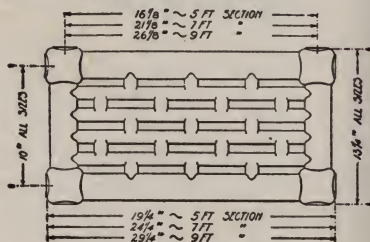


Plate 3543-H

HORIZONTAL, TWO SECTIONS IN TWO ROWS, WATER OR STEAM

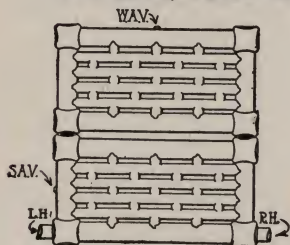


Plate 3544-H

HORIZONTAL, FOUR SECTIONS IN TWO ROWS, STEAM ONLY

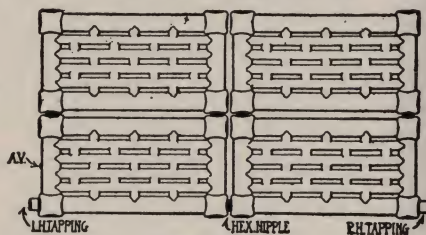


Plate 3545-H

HORIZONTAL, SIX SECTIONS IN TWO ROWS, WATER ONLY

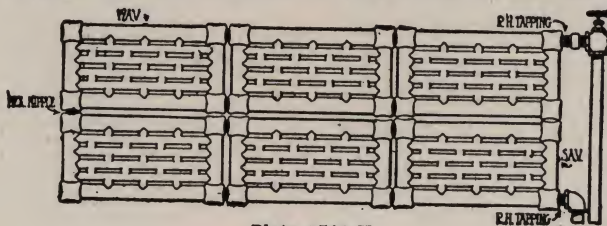


Plate 3546-H

WALL RADIATORS

ASSEMBLAGES

HORIZONTAL, FOUR SECTIONS WITH TWO ROWS IN CENTER, STEAM OR WATER

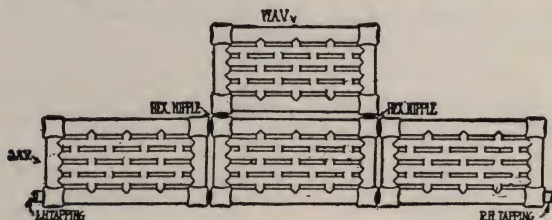


Plate 3547-H

HORIZONTAL, TWO SECTIONS IN TWO ROWS, WATER OR STEAM

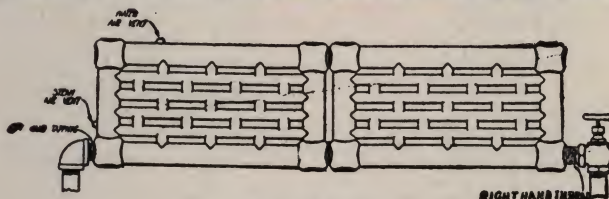


Plate 3548-H

HORIZONTAL, SIX SECTIONS IN THREE ROWS, WATER ONLY

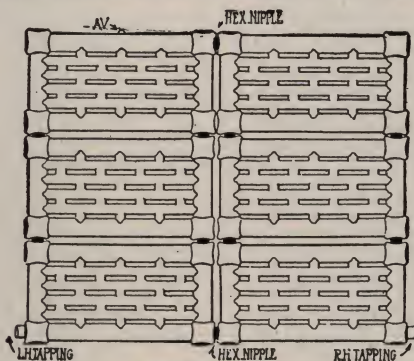


Plate 3549-H

HORIZONTAL, FOUR SECTIONS IN TWO ROWS, WATER ONLY

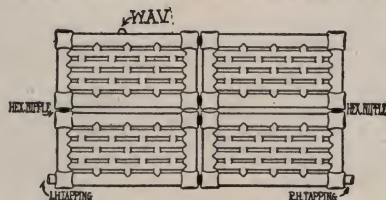


Plate 3550-H

WALL RADIATORS
ASSEMBLAGE

VERTICAL, TWO SECTIONS IN
TWO ROWS, WATER OR STEAM

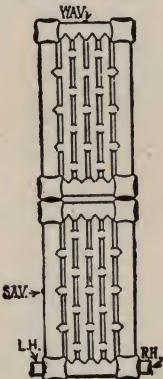


Plate 3551-H

VERTICAL, FOUR SECTIONS IN TWO
ROWS, WATER ONLY

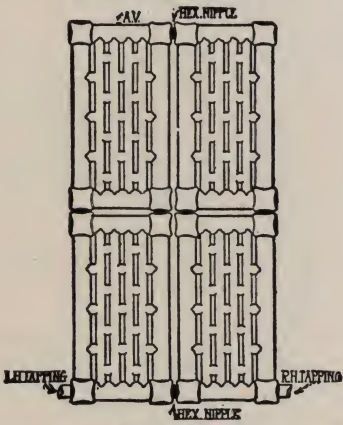


Plate 3552-H

VERTICAL, SIX SECTIONS IN
TWO ROWS, WATER ONLY

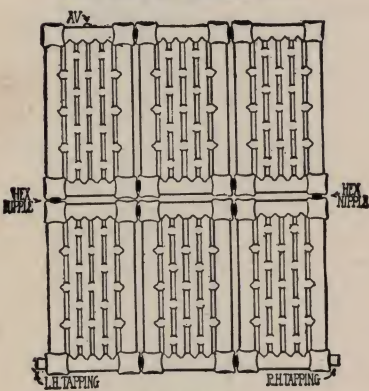


Plate 3553-H

VERTICAL, FOUR SECTIONS IN
TWO ROWS, STEAM ONLY

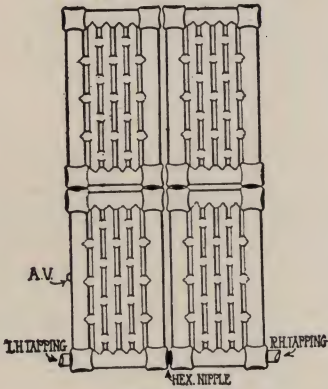


Plate 3554-H

VERTICAL, EIGHT SECTIONS IN ONE ROW, STEAM ONLY

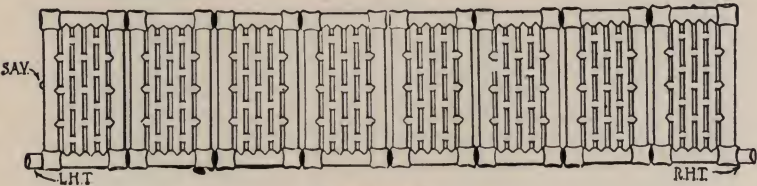


Plate 3555-H

RADIATOR BRACKETS

WALL RADIATOR BRACKETS

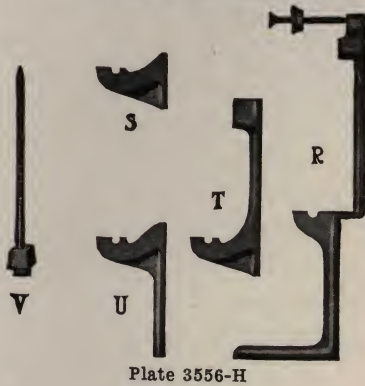


Plate 3556-H

CONCEALED BRACKETS



Plate 3557-H

WALL RADIATOR BRACKETS

Brackets R fit over baseboard and are made in three sizes.

Brackets S and T are to be used in pairs—the S at top and T at bottom.

Bracket U to be used in place of T where the bottom of radiator extends to baseboard or wainscoting.

Bracket V having a lag screw 9 inches long for hanging ceiling radiators can be furnished.

When ordering wall radiators be sure to mention which brackets are wanted. Brackets are not included in the price of radiators and will be charged extra.

Price, R No. 1, for 10½-inch Base, Height from Floor to Center Lower Tapping, 11½ inches.....	each	.44
" R No. 2, for 8½-inch Base, Height from Floor to Center Lower Tapping, 9½ inches.....	"	.42
" R No. 3, for 6½-inch Base, Height from Floor to Center Lower Tapping, 7½ inches.....	"	.40
" S or U Brackets.....	"	.10
" T Brackets.....	"	.20
" V ".....	"	.25

CONCEALED BRACKETS

Made to support one, two, three and four-column plain and ornamental radiators. Two sets (one each top and bottom) will support a medium size radiator.

Approximate Measurements from Wall to Center of Tapping

Extension from Wall to Center of Tapping, Single-Column.....	inches	3
" " " " " " " Two- ".....	"	5
" " " " " " " Three- ".....	"	5½
" " " " " " " Four- ".....	"	6½

McLAIN CAST IRON RADIATORS**DIRECT RADIATORS**

Price, per Square Foot of Heating Surface

Height.....inches	45	38	32	26	22	20	18	17	14
Single-Column, Ornamental, Steam or Water.....	..	.42	.46	.50	.53	..	.58	..	..
“ “ Plain “ “ “ .....	..	.42	.46	.50	.53	..	.58	..	..
Two “ Ornamental “ “ “ .....	.42	.42	.46	.50	.53	..	.58	..	..
“ “ Plain “ “ “ .....	.42	.42	.46	.50	.53	..	.58	..	..
Three “ Ornamental “ “ “ .....	.42	.42	.46	.50	.53	..	.58	..	..
“ “ Plain “ “ “ .....	.42	.42	.46	.50	.53	..	.58	..	..
Four “ Ornamental “ “ “ .....	.42	.42	.46	.50	.53	..	.58	..	..
“ “ Plain “ “ “ .....	.42	.42	.46	.50	.53	..	.58	..	..
Five “ “ “ “ “ .....	..	..	..	..	..	.57	..	.59	.64

SPECIAL TAPPING

In Changing the Location of, or Providing for Additional Tapping, Extra per Tapping	.50 net
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CORNER, CURVED AND CIRCULAR RADIATORS

To be Added to Prices of Direct Radiators, Either Steam or Water

Corner.....	per corner	4.75
Curved.....	per section	.92
Circular.....	“	.92
Solid High Legs or Legs other than Regular Heights, per Leg Section..	“	.53

No extra charge will be made for radiators furnished without legs.

SPECIALTIES

Lugs for Radiators for Marble Tops.....	per radiator	.50
Saddles for Marble Tops.....	per pair	.50

A charge of actual cost will be made for crating special radiators.

INDIRECT RADIATORS

Pin Indirect, Push Nipple Joints, 10 feet per Section.....	per section	2.70
“ “ “ “ “ 15 “ “	“	4.05
“ “ “ “ “ 20 “ “	“	5.40

Unless ordered shipped “knocked down” indirect radiators with push nipple joints will always be assembled before shipment, for which an additional charge of 1 cent a foot will be made.

WALL RADIATORS—FOR STEAM AND WATER

Price, per Square Foot

Large Section, 9 square feet; Standard Section, 7 square feet.....	.42
Small “ 5 “ “ .....	.46

BOX BASES AND WALL BOXES FOR DIRECT-INDIRECT RADIATORS

Base for 5-Section Radiator.....	each	5.00
“ “ 6 “ “	“	6.00
“ “ 7 “ “	“	7.00
“ “ 8 “ “	“	8.00
“ “ 9 “ “	“	9.00
“ “ 10 “ “	“	10.00
“ “ 11 “ “	“	11.00
“ “ 12 “ “	“	12.00
“ “ 13 “ “	“	13.00
“ “ 14 “ “	“	14.00
Cold Air Wall Boxes, 5 $\frac{1}{8}$ x17 $\frac{1}{4}$ inches	“	2.80

RADIATOR TAPPING LIST

STEAM—ONE-PIPE WORK

Radiators containing 24 Square Feet and under.....	1 inch
Above 24, but not exceeding 60 Square Feet.....	1¼ inches
" 60, " " " 100 " "	1½ "
" 100 Square Feet.....	2 "

STEAM—TWO-PIPE WORK

Radiators containing 48 Square Feet and under.....	1 x ¾ inch
Above 48, but not exceeding 96 Square Feet.....	1¼x1 "
" 96 Square Feet.....	1½x1¼ inches

WATER

Tapped for Supply and Return

Radiators containing 40 Square Feet and under.....	1 inch
Above 40, but not exceeding 72 Square Feet.....	1¼ inches
" 72 Square Feet.....	1½ "

All direct radiators are regularly made with air valve tapings ⅝ inch. When radiators are ordered for vapor or vacuum heating, specific instructions should be given as to method of tapping.

Water radiators can be shipped with blank at top of leg sections, or can be tapped 1½ inches or smaller on special order.

Unless otherwise ordered, all openings of direct radiators will have right-hand threads (except that of wall radiators where tapped 1½ inches, in which case tapping at one end is right-hand and left-hand on opposite end).

All radiators listed herein (except wall radiators) are constructed with heavy malleable iron non-corrosive push nipples.

RADIATOR REPAIRS

In ordering repairs for radiators, much time and annoyance will be saved if the order clearly states fully all details of part wanted. Many times an incomplete description or lack of sketch showing details of part wanted makes it necessary for several letters to pass back and forth before the proper shipment can be made.

When the part is for a radiator of special construction, a sketch should also accompany written description on order.

When ordering radiator sections mention the following: Name of radiator, pattern of radiator, height of radiator, whether end leg section, center leg section, or regular intermediate section, and if supply or return end leg section or blank end leg section (for one-pipe steam) is wanted, also state if for steam or water, one or two-pipe work, slip nipple or screw nipple connection and high or low drip hubs. If water radiators are being used for steam this fact should also be mentioned.

Orders for indirect radiator repairs should clearly state whether end or intermediate section is wanted and whether blank or tapped when an end section. A sketch of section showing position of desired tapings, should be sent with order. Also state whether slip nipple or screw nipple connection is wanted.

SPECIAL NOTE

Repairs for radiators not illustrated in this catalogue will be charged at higher prices than standard goods.

McLAIN DIRECT-INDIRECT CAST IRON RADIATORS

BOX BASE RADIATOR



Plate 3558-H

BOX BASE

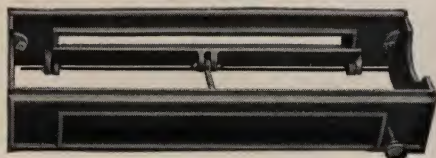


Plate 3559-H

WALL BOX



Plate 3560-H

The illustration of the box base shows the back damper open and the front closed, operated by one lever; as the lever pulls out, the back damper opens and the front closes, which allows the air to be brought from the outside. When lever is pressed back, the back damper is closed, and the front open, which takes the air from the room.

The wall box is strongly constructed with angle slats and brass screen inside. Size of box, $17\frac{1}{4} \times 5\frac{5}{8}$ inches. Measurements for flange, $17\frac{1}{8} \times 4\frac{1}{8}$ inches.

BOX BASES FOR DIRECT-INDIRECT RADIATORS BACK OPENING

The sizes given on back opening base represent outside measurement of the iron flanges. For instance, the No. 5, two-column, is $2\frac{1}{2}$ inches wide x $5\frac{1}{2}$ inches long.

Number	Two-Column Inches	Three-Column Inches	Four-Column Inches	Number	Two-Column Inches	Three-Column Inches	Four-Column Inches
5	$2\frac{1}{2} \times 5\frac{1}{2}$	$2\frac{1}{2} \times 5\frac{1}{2}$	$2\frac{1}{2} \times 6\frac{1}{2}$	11	$2\frac{1}{2} \times 20$	$2\frac{1}{2} \times 20$	$2\frac{1}{2} \times 24\frac{1}{2}$
6	$2\frac{1}{2} \times 7\frac{1}{2}$	$2\frac{1}{2} \times 7\frac{1}{2}$	$2\frac{1}{2} \times 9\frac{1}{2}$	12	$2\frac{1}{2} \times 22\frac{1}{2}$	$2\frac{1}{2} \times 22\frac{1}{2}$	$2\frac{1}{2} \times 27\frac{1}{2}$
7	$2\frac{1}{2} \times 10\frac{1}{2}$	$2\frac{1}{2} \times 10\frac{1}{2}$	$2\frac{1}{2} \times 12\frac{1}{2}$	13	$2\frac{1}{2} \times 25$	$2\frac{1}{2} \times 25$	$2\frac{1}{2} \times 30\frac{1}{2}$
8	$2\frac{1}{2} \times 12\frac{1}{2}$	$2\frac{1}{2} \times 12\frac{1}{2}$	$2\frac{1}{2} \times 15\frac{1}{2}$	14	$2\frac{1}{2} \times 27\frac{5}{8}$	$2\frac{1}{2} \times 27\frac{5}{8}$	$2\frac{1}{2} \times 33\frac{1}{2}$
9	$2\frac{1}{2} \times 14$	$2\frac{1}{2} \times 14$	$2\frac{1}{2} \times 18\frac{1}{2}$	15	$2\frac{1}{2} \times 29\frac{7}{8}$	$2\frac{1}{2} \times 29\frac{7}{8}$	$2\frac{1}{2} \times 36\frac{1}{2}$
10	$2\frac{1}{2} \times 16\frac{5}{8}$	$2\frac{1}{2} \times 16\frac{5}{8}$	$2\frac{1}{2} \times 21\frac{1}{2}$	....	.....	.....	.....

BOTTOM OPENING

The sizes given on bottom opening base represent the largest size openings which can be cut in the floor under the bases for the air inlet.

5	$3\frac{1}{2} \times 5$	$3\frac{1}{2} \times 5$	4 x $6\frac{1}{2}$	11	$3\frac{1}{2} \times 20$	$3\frac{1}{2} \times 20$	4 x $24\frac{1}{2}$
6	$3\frac{1}{2} \times 7\frac{1}{2}$	$3\frac{1}{2} \times 7\frac{1}{2}$	4 x $9\frac{1}{2}$	12	$3\frac{1}{2} \times 22\frac{1}{2}$	$3\frac{1}{2} \times 22\frac{1}{2}$	4 x $27\frac{1}{2}$
7	$3\frac{1}{2} \times 10$	$3\frac{1}{2} \times 10$	4 x $12\frac{1}{2}$	13	$3\frac{1}{2} \times 25$	$3\frac{1}{2} \times 25$	4 x $30\frac{1}{2}$
8	$3\frac{1}{2} \times 12\frac{1}{2}$	$3\frac{1}{2} \times 12\frac{1}{2}$	4 x $15\frac{1}{2}$	14	$3\frac{1}{2} \times 27\frac{1}{2}$	$3\frac{1}{2} \times 27\frac{1}{2}$	4 x $33\frac{1}{2}$
9	$3\frac{1}{2} \times 15$	$3\frac{1}{2} \times 15$	4 x $18\frac{1}{2}$	15	$3\frac{1}{2} \times 30$	$3\frac{1}{2} \times 30$	4 x $36\frac{1}{2}$
10	$3\frac{1}{2} \times 17\frac{1}{2}$	$3\frac{1}{2} \times 17\frac{1}{2}$	4 x $21\frac{1}{2}$	....	.....	.....	.....

A No. 12 box base is to be used for radiator of 12 sections, or any even number of sections larger. A No. 11 box base for radiator of 11 sections or any odd number of sections larger.

All orders for box base radiators should clearly state whether back or bottom opening base is required.

RADIATOR ACCESSORIES

PEDESTALS



Plate 3562-H

ADJUSTABLE FEET



Plate 3563-H

PEDESTALS

Solid cast iron pedestals can be furnished for placing under legs of all styles of our radiators and are made in the following heights.

Height.....inches	$\frac{1}{2}$	1	$1\frac{1}{2}$	2 and $2\frac{1}{2}$	3 and $3\frac{1}{2}$	4	5
Price.....each	.10	.10	.14	.20	.24	.30	.32

ADJUSTABLE FEET

Consists of two iron blocks that open by turning the top piece, which is so cast that any radiator foot will fit securely. Adjustment can be made with the screw, which holds the two pieces in place. They can be used on any kind of fixture that must stand level. Furnished in plain iron and can be bronzed to correspond to fixture upon them.

Number.....	1	2	3
Extension.....inches	$\frac{7}{8}$ to $1\frac{1}{4}$	$1\frac{1}{4}$ to $1\frac{3}{4}$	$1\frac{3}{8}$ to $2\frac{1}{4}$
Price.....each	.20	.25	.30



Plate 3564-H

RADIATOR BUSHINGS

The Neu-Wa Radiator Bushing contains all the desirable features of the one end radiator connection. It is easy to install, can be connected to any size radiator, does away with all piping to opposite ends, and provides a positive circulation of the hot water, the valves and piping being at only one end of radiator. This improves its appearance, simplifies location, and often allows a radiator of larger size to be set in a given space.

Flow and Return Tappings.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Price.....each	.60	.60	.80

RADIATOR PLUGS



Plate 3565-H

Size.....inches	$1\frac{1}{2}$	2
Price.....each	.10	.14

RADIATOR SHIELDS

PLAIN

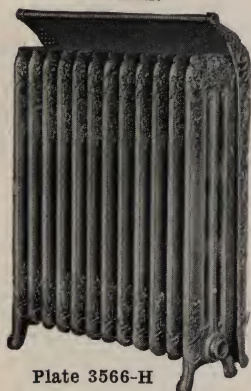


Plate 3566-H

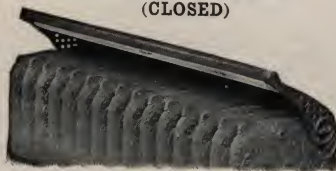
WITH DUST RETAINER
(CLOSED)

Plate 3567-H

RETAINER OPEN



Plate 3568-H

Shields furnished with or without dust retainer. This dust retainer catches all dust which ascends in the air currents from the radiator. Is easily lowered for cleaning. It is kept in closed position by means of springs at each end.

Shields are furnished in three lengths, short, medium and long. All lengths take the same list, but are sold at different discounts from list price.

Shields are of sheet steel with cast iron brackets.

Number of Loops or Sections.....	3-6	7	8	9	10	11	12	13	14
Length of Shield.....inches	15	17½	20	22½	25	27½	30	32½	35
Price, No. 1 Plain Steel, with Dust Retainer, each	3.18	3.44	3.66	3.92	4.21	4.50	4.80	5.10	5.38
" " 2 Bronzed, Aluminum, etc., with Dust Retainer....."	6.09	6.26	6.65	6.93	7.23	7.50	7.83	8.13	8.42
" No. 1 Plain Steel, without Dust Retainer "	2.12	2.29	2.44	2.62	2.81	3.00	3.20	3.40	3.59
" " 2 Bronzed, Aluminum, etc., without Dust Retainer....."	4.06	4.24	4.43	4.62	4.82	5.01	5.22	5.42	5.61
Number of Loops or Sections.....	15	16	17	18	19	20	21	22	23
Length of Shield.....inches	37½	40	42½	45	47½	50	52½	55	57½
Price, No. 1 Plain Steel, with Dust Retainer, each	5.74	6.07	6.56	7.01	7.13	7.50	7.88	8.27	8.66
" " 2 Bronzed, Aluminum, etc., with Dust Retainer....."	8.76	9.09	9.42	9.75	10.15	10.44	10.78	11.15	11.50
" No. 1 Plain Steel, without Dust Retainer "	3.83	4.05	4.37	4.51	4.75	5.00	5.25	5.51	5.77
" " 2 Bronzed, Aluminum, etc., without Dust Retainer....."	5.84	6.06	6.28	6.50	6.77	6.96	7.19	7.43	7.67
Number of Loops or Sections.....	24	25	26	27	28	29	30	....	....
Length of Shield.....inches	60	62½	65	67½	70	72½	75	....	....
Price, No. 1 Plain Steel, with Dust Retainer, each	9.00	9.48	9.90	10.34	10.77	11.22	11.68	....	....
" " 2 Bronzed, Aluminum, etc., with Dust Retainer....."	11.88	12.24	12.63	13.00	13.40	13.78	14.19	....	....
" No. 1 Plain Steel, without Dust Retainer "	6.00	6.32	6.60	6.89	7.18	7.48	7.79	....	....
" " 2 Bronzed, Aluminum, etc., without Dust Retainer....."	7.92	8.16	8.42	8.67	8.93	9.19	9.46	....	....

Above lists apply only to shields for two and three-column radiators; prices on one and four-column on application. Brass shields quoted on application.

In ordering, give name or make of radiator, number of loops in each, number of columns per loop, distance center to center of loops, width of loops, length of radiator over all at top, distance from wall and height when shields are to extend to floor.

PERFECTION RADIATOR FITTING

EXTERIOR



Plate 3569-H

WITH RISERS
CAPPED



Plate 3571-H

SHOWING METHOD OF CONNECTING
FLOW AND RETURN

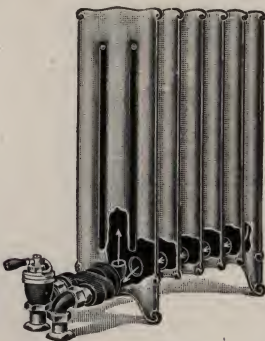


Plate 3572-H

This fitting simplifies connections to radiators for hot water, vapor or two-pipe steam heating. They are of equal worth with the two-end connection and are much more easy to connect and less expensive to install. They save the cutting of timbers, the digging into foundation walls, the running of pipes around behind the radiator to get to the opposite end, and are specially adapted for making connections to radiators when the radiators are used to furnish temporary heat and to establish a circulation in risers, independent of being connected to the radiators.

The spread allows for any easy connection, no crowding or springing of the pipe, as in the case of the two-end connection.

The area of the flow and the return are equal. There are no contacts of currents, the flow—for water and supply pipes for vapor heating—can be carried to the opposite side of the radiator by running it within the radiator itself.

It can be used for heating water for domestic purposes and can be applied to house heating boilers, or to hot air furnaces. It can be used in connection with a hot air furnace to supply heat for radiators, making the system a combination one.

When temporary heat is required, and only a portion of the radiators are to be connected, by capping the unused risers a circulation will be established which will prevent freezing. Let all air escape before screwing the cap on tight.

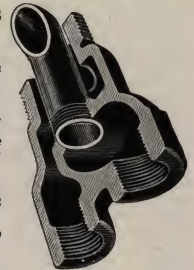


Plate 3570-H

SHOWING CONNECTION MADE WITHOUT
DIGGING INTO FOUNDATION

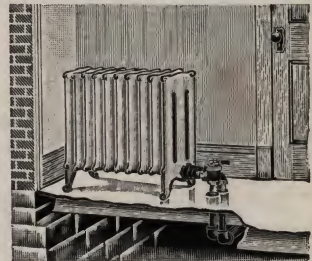


Plate 3573-H

Price, $\frac{1}{2} \times \frac{1}{2} \times 2$ inches	.....	each	1.10
" $\frac{3}{4} \times \frac{1}{4} \times 2$ "	.....	"	1.20
" 1 x 1 x 2 "	.....	"	1.35
" $1\frac{1}{4} \times 1\frac{1}{4} \times 2$ "	.....	"	1.65

HEAT GENERATORS, REGULATORS, ETC.



Plate 3574-H

HARDT HEAT GENERATORS

A very simple and effective appliance for hot water heating plants. It contains no mercury, nor is it operated by means of a spring. Pressure is secured on the system by means of a metal weight. This weight places a hot water heating system under a 10-pound pressure that is absolutely uniform under all conditions, and need never be changed or replaced. The inlet operating into the generator as well as the outlet opening into the expansion tank is 1 inch in diameter. These large openings permit the generator to operate freely and quickly. This generator overcomes difficulties arising from circulation, and will cause the water to circulate 5 times the regular speed.

Price	each	21.00
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"BELKNAP" CIRCULATING COUPLING

Can be used with any water radiator valve to make up a connection whereby it is desired to have both the supply and return openings at one end of the radiator. Can be set at any angle to meet all conditions.



Plate 3575-H

Size	inches	1/2	3/4	1	1 1/4	1 1/2
For Radiator Tapping	inches	1	1 1/4	1 1/2	2	2
Price	each	2.50	2.80	3.70	4.50	5.35

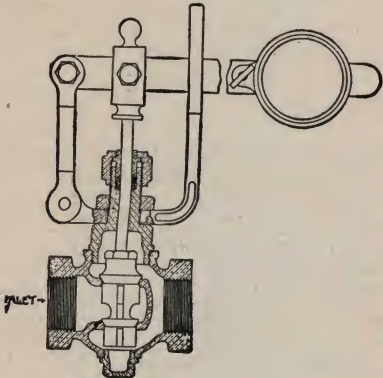


Plate 3576-H

RUMSEY REGULATING VALVES

With Semi-Balanced Discs

These regulating valves have proved the most satisfactory for the control of steam, water, air or gas, and are especially adapted for automatic control of the supply to engines, pumps, feed water heaters and water motors for pipe organs, and are especially suitable for use in connection with heat regulating devices. They are recommended for any service where an extremely sensitive and positive action is necessary. With heat regulating devices they are used for control of street steam or for gas, the thermostat being situated in the room to regulate the temperature of same, and connected with a motor operating the regulating valve so as to meet requirements of the room temperature in which the thermostat is located. The form of the valve chambers as shown in the illustration is such that they have full areas and no obstructed passages. The upper opening is slightly larger, so as to permit the lower disc to pass through, no matter what the pressure, only a slight movement of the float or pressure operating device is required to either open or close the regulating valve.

Size	inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price	each	5.50	5.50	6.00	7.25	9.00	15.00	21.00	34.00	50.00	65.00

Sizes 3, 3 1/2 and 4-inch also made in iron body.

HEAT INTENSIFIERS AND RELIEF VALVES

HEAT INTENSIFIERS

With this device attached to a heating system a range of temperatures is secured, which is sufficient to provide heat during the very coldest period of the winter.

If placed directly underneath the tank no true record of water heights will be obtained when expansion is taking place, as the gauge will record the static head of the water, plus the pressure at which the spring is set. When contraction occurs the true height of water is then shown. If connected next to heater, as illustrated, a true register is recorded at all times.

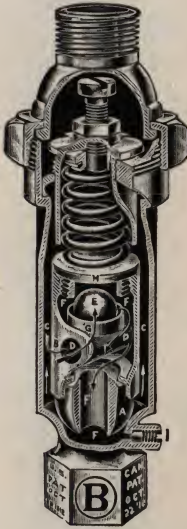


Plate 3577-H

B is a movable shell carrying with it, A, D, E and G, the top of which is H, forming the chamber F, which surrounds the valve E, and is in communication with the system via AF. When the water in the system expands, the pressure is applied through F on the top of E, preventing the escape through G into D, leading to the chamber C and up on H, lifting the chamber B and compressing the spring, lifting A from its seat. The excess water will then pass into C, leading to the expansion tank, this continuing as long as the pressure of the water, caused by the expansion, is greater than the pressure at which the valve is set. When this pressure drops below that point, the chamber B will be forced down by the spring, reseating A, thus removing all valve pressure from the system, and the water in chamber C returns through D, lifting E and re-entering the system through F.

When intensifier is connected underneath expansion tank and the water pressure is not sufficient to lift A, expansion pipe may become airbound; this can be relieved by opening air valve I.

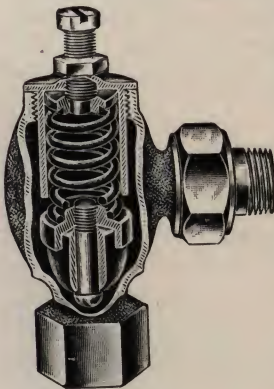


Plate 3579-H



Plate 3578-H

Price, each, 15.00.

PRESSURE RELIEF VALVES

For relieving tanks of excessive pressure. Graduated from 10 to 100 pounds.

Where supply comes from windmill tank or compressed air system, this valve can be used to add pressure to heating system without use of expansion tank.

Always install a check valve in supply pipe outside of relief valve.

This pressure relief valve can be connected at any point, over a sink, to a cellar drain—anywhere.

Price, each, 10.00.

HONEYWELL HEAT GENERATORS

POSITION OF MERCURY
AND WATER WHEN GENERATOR
IS PRODUCING NO PRESSURE

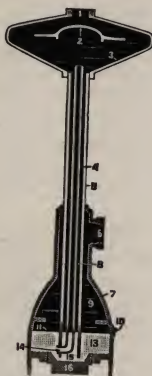


Plate 3580-H

POSITION AND ACTION OF MERCURY
AND WATER WHEN GENERATOR
IS IN COMPLETE OPERATION
PRODUCING 10 POUNDS PRESSURE



Plate 3581-H

These generators are designed to meet the demand for a device to quicken the circulation in hot water heating jobs.

When connected to the expansion pipe of an ordinary gravity plant, this generator seals the circuit and permits the generation of a slight pressure up to 10 pounds, at which point it relieves itself through the operation of a mercury seal, eliminating any element of danger.

SHOWING GENERATOR
ATTACHED TO HOT
WATER BOILER

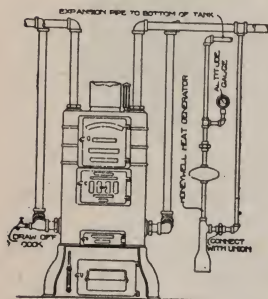


Plate 3582-H

The pressure created by this generator will remedy any unsatisfactory job of hot water heating where the radiation is insufficient, the piping too small for gravity, the circulation sluggish, causing large fuel consumption, or where the water boils easily from quick firing, providing, of course, the boiler is large enough to supply the heat. It greatly improves jobs which contain long horizontal mains, or where the radiation is all on the first floor.

In new work it permits a reduction in radiation, and smaller piping as advocated in the Honeywell system, the system of low cost and high efficiency. It is positive and automatic, is sold under the strongest guarantee, will last a lifetime, and cannot get out of order.

Number	1	2	3	4
For Radiation	1200	2500	3500	10000
Size of Inlet	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$
" " Outlet	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$
Price	25.00	35.00	50.00	65.00

HONEYWELL AUTOMATIC TEMPERATURE REGULATORS

WITH EIGHT-DAY CLOCK

FRONT



Plate 3583-H

A most advanced type of thermostat, neat and symmetrical in design.

The cams shown at the back of the clock revolve once in 24 hours, and may be so set that the thermostat will set up to normal at any desired hour in the morning, and set back to any lower temperature at any time during the night, without any attention, other than to wind the clock once a week.

The clock does not have to be removed for winding, although it may be detached instantly for setting the cams to suit the arising and retiring hours of the owner, which, however, only has to be done once.

The wires are not connected to the thermostat, but instead to a neat wall plate that the thermostat fits over, thus making it unnecessary to handle the thermostat when connecting the wires—a feature that is highly appreciated.

With the thermostat and motor are furnished all other parts necessary to install, which are

carefully packed in one box and weigh, ready for shipment, about 50 pounds. Full instruction regarding the installation is also packed in each box.

Thermostat is beautifully proportioned. It is 8 inches high by 2 inches wide, and is made from heavy pressed brass and highly finished.

With this thermostat can be furnished either a spring or a non-wind electric motor. The former will operate from 60 to 75 times on one winding and the latter will successfully operate furnace dampers, gas or steam valves during an entire heating season on one set of four dry batteries without attention.

Both motors are very neatly designed and accurately built and are practically noiseless in operation. Either motor has ample power to lift any damper or valve any distance that may be required.

With each regulator outfit is furnished all parts necessary to install and full installing instructions.

BACK



Plate 3584-H

Price, Plain Pattern Thermostat, Spring Motor, Model 4.....	40.00
“ One-Day Clock “ “ “ “ “ 6.....	48.00
“ Eight-Day Clock Automatic Thermostat, Spring Motor, Model 8.....	56.00
“ Plain Pattern Regulator, Electric Non-Wind Motor, Model 14.....	56.00
“ One-Day Clock “ “ “ “ “ “ 16.....	64.00
“ Eight-Day Clock Automatic, Electric Non-Wind Motor, Model 18.....	72.00

Write for catalogue describing full line of Honeywell Regulators in plain, one-day clock and automatic eight-day clock models, either with spring or electric motors.

HONEYWELL WATER REGULATORS

NO. 3

This is a most simple and positive little instrument for regulating the temperature of water in a hot water heating system or storage tank. It has a temperature range of from 120 to 240 degrees, and will keep the water in the system at any degree between these temperatures. The regulator is designed to be connected directly into top of heater or to flow pipe in such position that the circulating water will flow around the bulb of the regulator. When so connected it will open and close the dampers within a water temperature change of two or three degrees.

There is no rubber diaphragm or short lived parts used in its manufacture. It is fitted with a Syphon Bellows.

The regulator case and bearings are made especially heavy for the high temperatures attainable, and the lever and chains are strong enough to lift any damper 5 or 6 inches. The regulator is 10 inches in height. The neck is threaded for $1\frac{1}{2}$ -inch pipe opening. It measures 5 inches from the bottom of bulb to top of threads and 5 inches from the latter point to top of regulator. With each regulator are furnished chains and pulleys, a lever 3 feet in length and two ball weights. By setting these weights in or out on the lever any predetermined water temperature may be maintained. The regulator is fitted with frictionless knife edge bronze bearings, which makes it very sensitive to the slightest change in temperature. In the bulb of the regulator is hermetically sealed a quantity of volatile fluid. As the temperature of the water rises the fluid vaporizes and forces up the plunger in the center. The plunger is tapered to a blunt point at the top, and centers in a conical opening in the rocker. As the plunger is forced up it lifts the rocker, to which is fastened the lever. When the temperature of the water drops, the vapor condenses, allowing the plunger and lever to lower. Thus the dampers are opened and closed as the temperature of the water rises and falls a degree or two.

There are many uses to which the No. 3 water regulator may be put.

When used for controlling the temperature of water in storage tanks where water is heated by a tank heater, the regulator may be connected into one of theappings on the top of the heater if convenient, and the weights so placed on the lever that any water temperature may be maintained in the tank as long as there is fire in the heater.

For regulating the temperature of the water in hot water heating plants in greenhouses there is no other device so dependable and well suited as the No. 3 Honeywell. In addition to maintaining a given water temperature, the lever may be connected to an electric light switch, or bell circuit, to warn the florist on cold nights of falling temperature, should the fire burn low before morning.



Plate 3585-H



Plate 3586-H

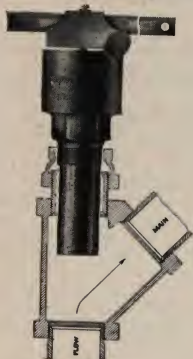


Plate 3587-H

Price.....each 20.00

JEWELL HEAT CONTROLLERS

**THERMOSTAT
WITH 1-DAY
CLOCK
ATTACHMENT**



Plate 3588-H

The successful operation of a heating plant depends largely on the attention it receives. Therefore the demand for a reliable automatic heat controlling device is constantly increasing. This demand is met most effectively by the Jewell Heat Controller.

It works night and day and gets the best possible results from the plant by automatically opening and closing the drafts on a variation of 1 degree in temperature.

By means of the clock attachment a lower temperature can be maintained at night and automatically brought up to the day temperature in the morning. Furnished with either 1-day or 8-day clock.

The Jewell Motors are furnished in two models—weight-driven, and electric-driven from lighting current.

WEIGHT-DRIVEN MOTOR

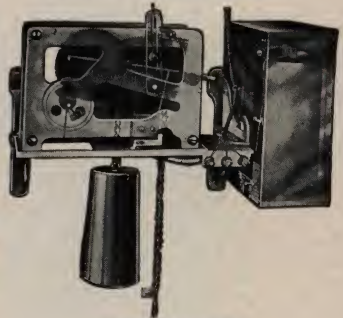


Plate 3588½-H

**ELECTRIC-DRIVEN
MOTOR**

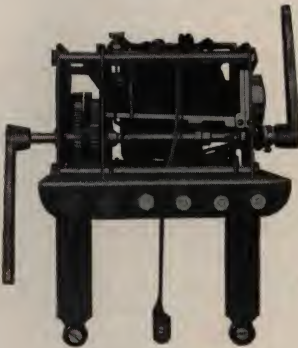


Plate 3589-H

The construction and finish of the Jewell Motors is such that they may always be depended upon to be in working order regardless of the dust and dampness often found in furnace rooms. These conditions destroy the usefulness of devices of inferior construction. The constantly increasing demand for the Jewell is the result of its splendid service wherever installed. When a Jewell is put in charge of the plants you install you are assured the best results. The heater will be run at its maximum efficiency with the minimum consumption of fuel. The controller comes complete with all necessary material for installation.

**THERMOSTAT
WITH 8-DAY CLOCK
ATTACHMENT**



Plate 3589½-H

Price, Model A, without Clock Attachment, Weight-Driven Motor	.....	each	30.00
" " B, " " " " Electric " " " " " " " "	.....	"	40.00
" " C, with 1-day " " " " Weight " " " " " " " "	.....	"	35.00
" " D, " " " " " " Electric " " " " " " " "	.....	"	45.00
" " E, " 8. " " " " Weight " " " " " " " "	.....	"	42.50
" " F, " " " " " " Electric " " " " " " " "	.....	"	52.50

TEMPERATURE REGULATORS

POWERS, FOR RESIDENCE HEATERS

No. 2 DIAPHRAGM MOTOR

THERMOSTAT

CHECK DAMPER

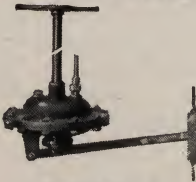


Plate 3590-H

Plate 3591-H

Plate 3592-H

Price, No. 2, for Furnace or Hot Water Heat.....	each	40.00
“ “ 3, “ Low Pressure Steam	“	45.00
“ “ 4, “ Hot Water, with Limiting Device to Prevent Boiling	“	50.00
“ Check Damper for Smoke Pipe, 10-inch or Smaller	“	1.25
“ “ “ “ “ 12 “	“	1.75

POWERS HOT WATER TANK REGULATORS
No. 10

No. 10 REGULATOR

DIAPHRAGM VALVE

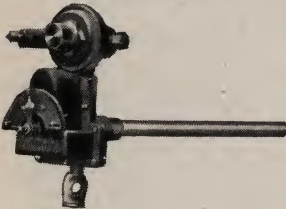


Plate 3593-H

Price, Size 1 -inch.....	each	70.00
“ “ 1 1/4 “	“	75.00
“ “ 1 1/2 “	“	80.00
“ “ 2 “	“	90.00
“ “ 2 1/2 “	“	95.00
“ “ 3 “	“	100.00
“ “ 4 “	“	120.00
“ “ 5 “	“	150.00

Larger sizes on application. A reliable regulator for steam heated water tanks



Plate 3594-H

MINNEAPOLIS REGULATORS

MODEL 60

The regulator consists of a thermostat, or mechanical thermometer, a motor and two cells of open current battery.

Prices include wire, batteries and hardware ready to install. Clocks are removable.

These regulators are also applicable for controlling temperature of buildings heated by hot air, hot water, steam or natural gas.

By use of the time attachment the temperature can be controlled at any predetermined hour.

Further information on application.



Plate 3595-H



MODEL 47

Plate 3596-H

Price, No. 35 Regulator, with Time Attachment	each	35.00
“ “ 40 “ without Time Attachment.....	“	40.00
“ “ 47 “ with “	“	47.00
“ “ 60 “ “ 8-Day Clock Time Attachment	“	60.00
“ “ 65 Thermostat only, for Hot Water Tank or Boiler.....	“	45.00
“ Motor Complete with Crank and Key.....	“	19.00
“ Time Attachment Thermostat only	“	24.00
“ “ “ 8-Day Clock.....	“	39.00
“ Thermometer	net	.75

EXPANSION TANKS

GALVANIZED



Plate 3597-H

RUMSEY AUTOMATIC

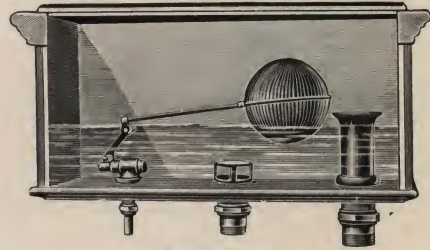


Plate 3598-H

GALVANIZED

Capacity.....gallons	5½	8	10	12	15	18	20	24
Diameter.....inches	12	12	12	12	12	12	14	14
Height....."	18	20	22	24	30	36	30	36
Suitable for Radiation.....sq. ft.	150	250	350	450	550	650	700	850
Price.....each	6.00	7.50	8.00	8.50	9.00	9.50	12.50	13.00
Capacity.....gallons	26	32	42	66	82	100	120	....
Diameter.....inches	16	16	16	18	20	22	24	....
Height....."	30	36	48	60	60	60	60	....
Suitable for Radiation.....sq. ft.	900	1250	1750	2750	4500	6000	7500	....
Price.....each	14.00	15.00	16.50	31.00	37.00	51.00	58.00	....

Prices do not include gauge or connections.

RUMSEY AUTOMATIC

Used in connection with hot water systems, they insure a full supply of water at the same time taking care of the overflow. Made of hard wood, lined with sheet copper and furnished with cast brass fittings. Neither gauge glass nor altitude gauge is needed with them. There is danger of freezing if the ordinary non-automatic tank is placed in the attic or some out of the way closet. Besides, the customer is often opposed to having an ungainly steel or iron expansion tank placed in the bath room or in a living room. Can be used on any hot water job containing up to 3000 feet of radiation.

The inside measurements are: Length, 20 inches; width, 9 inches; depth, 10 inches.

Price, Plain Oak, Varnished, Rounded Cornerseach | 8.50

Upon special order can be furnished in Cherry, Walnut or Quartered Oak, net extra, 1.25.



Plate 3599-H

RUMSEY EXPANSION BRACKETS

Can be adjusted for all sizes of tanks from 10 to 16 inches in diameter. Furnished with necessary screws.

Price, Complete.....each | 1.75

THERMOMETERS, REGULATORS, ETC.

HOT WATER THERMOMETERS

STRAIGHT



Plate 3600-H

ANGLE



Plate 3601-H

Price, Straight	each	3.00
" Angle	"	3.50

LOW PRESSURE
DAMPER REGULATOR



Plate 3602-H

RUMSEY SPUD WRENCHES

No. 1



No. 2



Plate 3603-H

LOW PRESSURE DAMPER REGULATORS

Price	each	5.00
" Extra Rubber Diaphragms	"	.75

RUMSEY SPUD WRENCHES

Number	1	2
Price, embracing 3/4, 1, 1 1/4 and 1 1/2-inch Sizes .....	.75	.50

No. 1 spud wrench has an open hexagon on end of handle. No. 2 is used with a wrench.

RADIATOR BRONZE, BRUSHES, ETC.**RUMSEY'S RADIATOR BRONZE AND LIQUID****RADIATOR BRONZE**

Plate 3604-H

BRONZING LIQUID

Plate 3605-H

RADIATOR BRONZE

Colors: Pale gold, deep gold, dark gold and aluminum.

Price, Bronze in one-pound Cans.....	per pound	1.20
" Aluminum in one-pound Cans	"	2.00

BRONZING LIQUID

Price, in one-gallon Cans.....	per can	2.00
" " half " "	"	1.10
" " one-quart "	"	.60

FLUE BRUSHES

No. 1

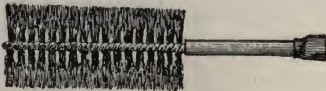


Plate 3606-H

No. 3

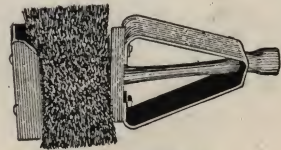


Plate 3607-H

Price, No. 1 Round Wire, 3 inches Diameter.....	each	1.00
" " 2 " " same as No. 1 except with 55-inch Flexible Wire	"	1.20
" No. 3 Wire, 6x3 inches on End.....	"	2.00

No. 4



Plate 3608-H

No. 5

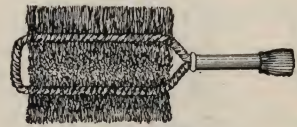


Plate 3609-H

Price, No. 4 Flat Wire, 5 1/4 inches Wide, 2 inches Deep.....	each	1.30
" " 5 Wire, 4x1 3/4 inches on End.....	"	1.30

Nos. 1, 3, 4 and 5 have 3/8-inch pipe connection.

RADIATOR VALVES

FOR STEAM, COMPOSITION DISC

No. 72 ANGLE



Plate 3610-H

No. 32 R. H. CORNER



Plate 3611-H

No. 37 L. H. CORNER



Plate 3612-H

No.	Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2
72	Price, Rough Body, Nickel-plated All Over, each	3.15	3.80	4.75	6.40	8.10	13.10
32 and 37	" " " " " " " "	3.45	4.20	5.25	7.05	8.95	14.45

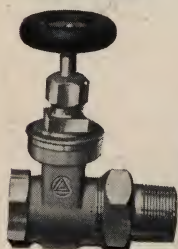
No. 373 GATE
FOR STEAM OR
HOT WATER

Plate 3613-H

No. 101
BONNETLESS

Plate 3614-H

FOR HOT WATER

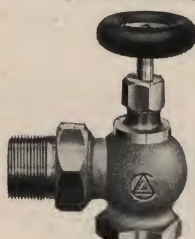
No. 142
QUICK OPENING

Plate 3615-H

No. 116 QUICK OPENING
STRAIGHTWAY

Plate 3616-H

No.	Size.....inches	1/2	3/4	1	1 1/4	1 1/2	2
373	Price, Rough Body, Nickel-plated All Over, each	3.10	3.75	4.65	6.10	7.85	12.10
101	" " " " " " " "	2.40	2.85	3.65	5.05	7.10	10.85
142	" " " " " " " "	2.40	2.85	3.65	5.05	7.10	10.85
116	" " " " " " " "	....	2.85	3.65	5.05	7.10	10.85

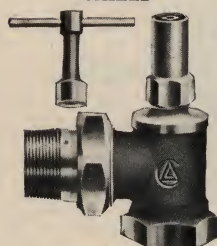
WITH LOCK AND
SHIELD

Plate 3617-H

Lock and shield equipment can be furnished with any regular patterns of Detroit Radiator Valves at a slight additional charge.

When ordering, specify the number and size of the valve wanted, adding "With Lock and Shield."

Keys are extra. Be sure to specify the number required.

Size of Valve.....inches	1/2	3/4	1	1 1/4	1 1/2	2
Nickel-plated Keys each	.30	.30	.30	.40	.40	.40
Wood Wheels with Upper and Lower Plates and Screws "	.65	.65	.70	.75	.80	.80

PACKLESS RADIATOR VALVES FOR STEAM

SECTIONAL

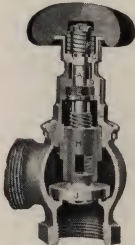


Plate 3618-H

No. 260, ANGLE RIGHT-HAND CORNER



Plate 3619-H

No. 262, FOR

RIGHT-HAND CORNER



Plate 3620-H

No. 263, FOR
LEFT-HAND CORNER

Plate 3621-H

These valves fulfill the need for a radiator valve that will not leak around the stem nor need repacking. Their construction makes them perfectly adapted also for use on vacuum systems where tightness is essential.

The shape of the handle precludes the possibility of collecting dirt and allows a full grip without the hand coming in contact with the metal. The bodies are globular and the valves are of pleasing appearance throughout.

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, No. 260, Angle, Rough Body, Nickel-plated All Over	each	3.15	3.80	4.75	6.40	8.10	13.10
" No. 262, Right-Hand Corner, Rough Body, Nickel-plated All Over	"	3.45	4.20	5.25	7.05	8.95	14.45
" No. 263, Left-Hand Corner, Rough Body, Nickel-plated All Over	"	3.45	4.20	5.25	7.05	8.95	14.45

No. 280, GLOBE
FOR STEAM

Plate 3622-H

No. 290, ANGLE
FOR HOT WATER

Plate 3623-H

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, No. 280, Globe, Rough Body, Nickel-plated All Over	each	3.15	3.80	4.75	6.40	8.10	13.10
" No. 290, Angle, Rough Body, Nickel-plated All Over	"	2.40	2.85	3.65	5.05	7.10	10.85

Above valves have right-hand thread on both ends.



Plate 3624-H

UNION ELBOWS, No. 132

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Price, Rough Body, N. P. All Over	each	1.75	2.00	2.50
Size	inches	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, Rough Body, N. P. All Over	each	3.20	4.00	7.00

UNIQUE RADIATOR VALVES

FOR HOT WATER

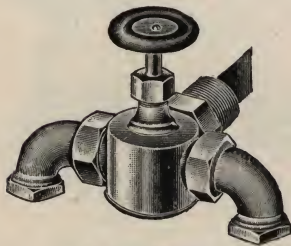


Plate 3625-H

This valve provides an interchangeable flow and return connection at one end only of the radiator, and thus saves pipe, fittings and labor and allows radiator to be set in less floor space. Also saves cutting of joists and extra cutting and boring of floors.

Projecting through the spud of valve is a web which divides the spud and extends beyond its end, practically through the first section of radiator. This web prevents an eddy forming at inlet and outlet, and thus compels the water to flow upward through the first section of radiator and thence through top connection.

One sixth of a turn of the handle fully opens or closes the valve. When the gates are open, all the water is forced to circulate through the radiator. When the gates are closed, the radiator is shut off and the water flows through a by-pass in the valve body, the full area of the pipes. Any radiator may therefore be shut off without preventing a constant circulation throughout entire system.

Both elbows are adjustable so that connections to risers or stubs can be run in any direction desired.

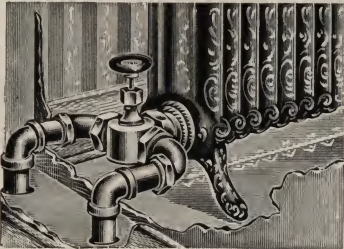


Plate 3626-H

SHOWING APPLICATION TO RADIATORS

UP-FEED SYSTEM

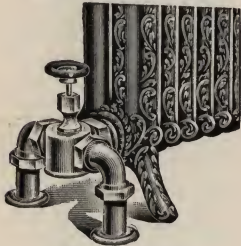


Plate 3627-H

OVERHEAD SYSTEM

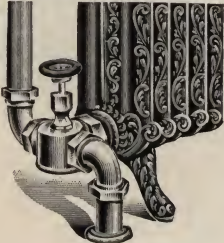


Plate 3628-H

Size	inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Center of Body to End of Spud	inches	$27\frac{7}{8}$	$27\frac{7}{8}$	3	$31\frac{1}{4}$
“ to Center of Ells.	“	$51\frac{1}{2}$	$53\frac{1}{4}$	7	$71\frac{1}{2}$
“ of Spud to Bottom of Ells.	“	$17\frac{7}{8}$	$17\frac{7}{8}$	2	$25\frac{5}{8}$
Radiators should be Tapped for Valve.	“	$11\frac{1}{4}$	$11\frac{1}{4}$	$11\frac{1}{2}$	2
Price	each	4.25	5.40	5.80	7.95

RADIATOR AIR VALVES

COMPRESSION

No. 1



Plate 3629-H

No. 2

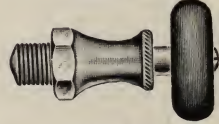


Plate 3630-H

Price, No. 1, $\frac{1}{8}$ -inch	each	.35
" " 2, $\frac{1}{8}$ "	"	.45

No. 3



Plate 3631-H

No. 4

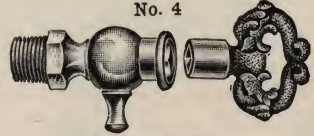


Plate 3632-H

Price, No. 3, $\frac{1}{8}$ -inch	each	.70
" " 4, $\frac{1}{8}$ "	"	.60
" Extra Keys for No. 4	"	.10

JENKINS BROS.—IMPROVED AUTOMATIC

WITH UNION

PLAIN

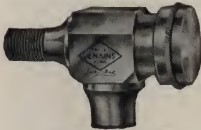


Plate 3633-H

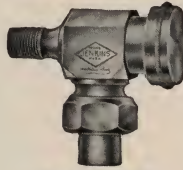


Plate 3634-H

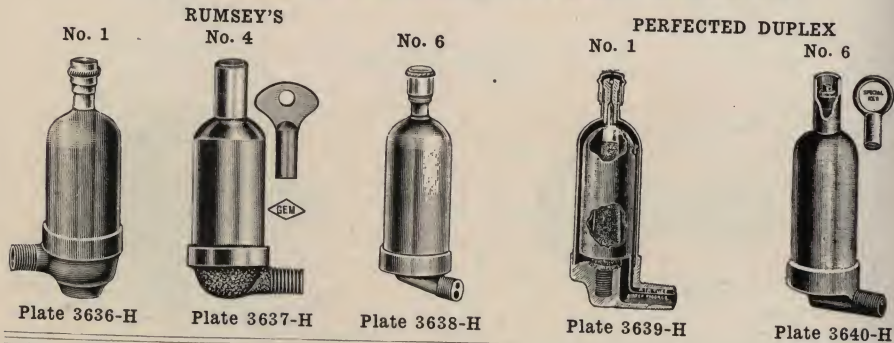
DRIP CUP



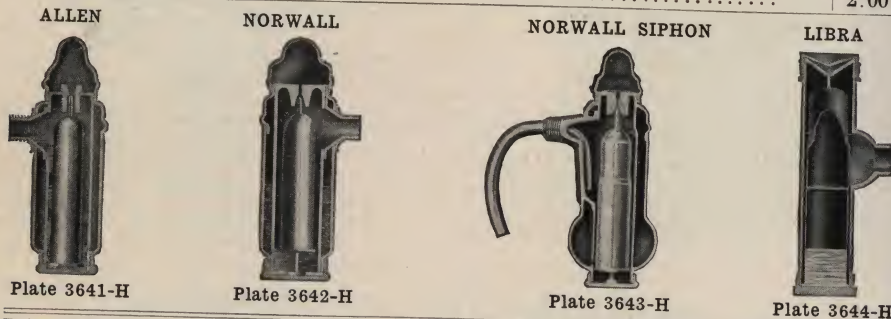
Plate 3635-H

Price, Plain, $\frac{1}{8}$ or $\frac{1}{4}$ -inch	per dozen	7.50
" $\frac{1}{8}$ -inch Inlet, $\frac{1}{8}$ -inch Union	"	9.50
" $\frac{1}{8}$ " " $\frac{1}{4}$ " "	"	10.00
" $\frac{1}{4}$ " " $\frac{1}{4}$ " "	"	10.00
" Drip Cups	"	2.00

RADIATOR AUTOMATIC AIR VALVES



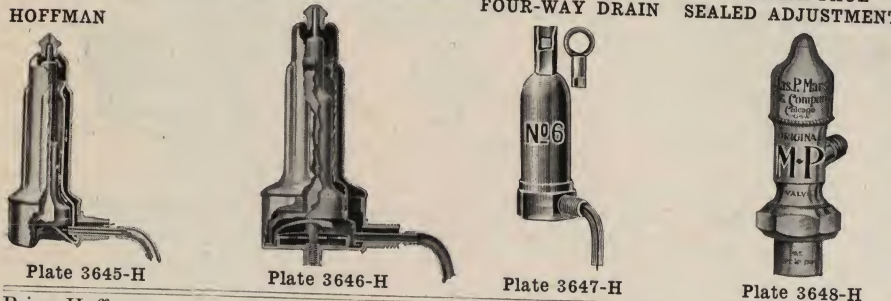
Price, Rumsey's No. 1.....	No. 1.....	each	.75
" " " 2, same as No. 1, but for Loose Key.....	" 2, same as No. 1, but for Loose Key.....	"	1.20
" " " 4.....	" 4.....	"	1.50
" " " 3, same as No. 4, but not for Loose Key.....	" 3, same as No. 4, but not for Loose Key.....	"	1.15
" " " 6.....	" 6.....	"	1.25
" Perfected Duplex, No. 1.....	" Perfected Duplex, No. 1.....	"	1.50
" " " 6.....	" " " 6.....	"	2.00



Price, Allen.....	each	1.00	Price, Norwall Siphon.....	each	1.70
" Norwall.....	"	1.30	" Libra, 1/8-inch.....	"	1.00

HOFFMAN AIR AND VACUUM

MARSH-PAUL FOUR-WAY DRAIN SEALED ADJUSTMENT



Price, Hoffman.....	each	4.00	Price, Four-Way Drain.....	each	3.00
" " Air and Vacuum.....	"	4.00	" Marsh-Paul, Sealed Adjustment.....	"	1.25

KEWANEE FIRE BOX BOILERS FOR STEAM OR WATER HEATING

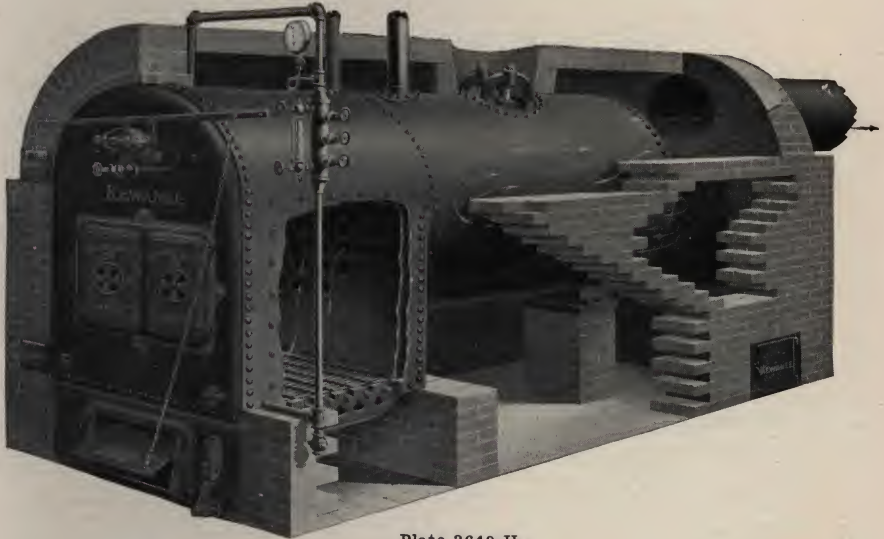


Plate 3649-H

Number	00	0	1	2	3	4	5	6	7	8	9
Price, Steam Boiler, with Castings and Tools.	255	270	285	300	320	375	400	435	460	510	560
“ Trimmings for Steam Boiler	18	18	18	18	19	19	19	19	23	23	23
“ Water Boiler with Castings and Tools	265	280	295	310	330	390	415	450	475	525	575
Number	10	11	12	13	14	15	16	17	18	19	20
Price, Steam Boiler, with Castings and Tools	630	680	735	860	935	1200	1310	1500	1600	1800	2000
“ Trimmings for Steam Boiler	23	23	28	28	28	40	40	40	40	44	44
“ Water Boiler with Castings and Tools	645	695	755	880	955	1225	1335	1530	1630	1840	2040

LIST PRICE OF EXTRAS AND CHANGES, TO BE ADDED TO LIST OF REGULAR BOILERS

Number	00	0	1	2	3	4	5	6	7	8	9
For Longer Shell, each foot or fraction of a foot	11	11	15	15	15	19	19	19	23	23	23
For Longer Fire Box, including Grate, each 6 inches	15	15	20	20	20	25	25	25	30	30	30
Wrought Iron Space Rings, Extra Stays and Braces, for 100 pounds Working Pressure...	30	30	33	33	34	36	37	38	42	45	47
Rear Flue Cleanout Doors and Frame	12	12	12	12	12	16	16	16	18	18	18
Number	10	11	12	13	14	15	16	17	18	19	20
For Longer Shell, each foot or fraction of a foot	32	32	32	40	40	50	50	60	60	70	70
For Longer Fire Box, including Grate, each 6 inches	40	40	40	45	45	55	55	65	65	80	80
Wrought Iron Space Rings, Extra Stays and Braces, for 100 pounds Working Pressure...	50	52	53	66	71	80	85	90	95	105	110
Rear Flue Cleanout Doors and Frame	22	22	22	26	26	32	32	38	38	46	46

Openings in fire box for coil, 4.00 list per boiler.

In regular boilers the base rings and door rings are made of semi-steel, which is much stronger than cast iron.

SPECIFICATIONS OF KEWANEE FIRE BOX BOILERS

FOR STEAM AND WATER HEATING

Number	00	0	1	2	3	4	5	6	7	8	9
Capacity, Steam..sq.ft.	500	700	900	1000	1200	1400	1700	2000	2200	2500	3000
“ Water..	800	1100	1500	1600	2000	2300	2800	3300	3600	4100	4900
Diameter.....inches	24	24	30	30	30	36	36	36	42	42	42
Length Over All...feet	51½	71½	61½	71½	81½	71½	9	10½	81½	10	11½
Width of Fire Box..inches	19	19	24	24	24	30	30	30	38	36	36
Length “ “ “	20	26	26	32	38	32	38	44	43	44	50
Height “ “ “	30	30	35	35	35	41	41	41	36	43	43
Heating Surface..sq. ft.	74	98	116	131	145	190	224	260	257	299	344
Ratio Radiation to Heating Surface	6.8	7.1	7.7	7.6	8.2	7.3	7.6	7.7	8.5	8.3	8.7
Area of Grate....sq. ft.	2.6	3.4	4.3	5.3	6.3	6.7	8.0	9.2	9.5	11.0	12.5
Ratio Heating Surface to Grate..	28.0	29.0	27.0	25.0	23.0	28.0	28.0	28.0	27.0	27.0	28.0
Diameter of Breeching.....inches	10	10	12	14	16	16	18	18	20	20	22
Diam. of Stack.... “	10	10	12	12	14	14	16	16	18	18	20
Min. Height of Stack.....feet	40	40	40	40	40	40	40	45	45	45	45
Diam. of Stack for Two Boilers.inches	40	40	40	40	40	40	40	45	45	45	45
Min. Height of Stack for Two Boilers.....feet	.....	.....	.....	.....	.....	.....	.....	.....	24	26	28
Size of Steam Supply.....inches	2½	2½	3	3	4	4	4	4	50	50	50
“ “ Return..... “	2	2	2½	2½	3	3	3	3	6	6	6
Number and Size of Flow and Return for Water.... “	1—4	1—4	1—6	1—6	1—6	1—6	1—6	1—6	2—5	2—6	2—6
Height of Water Line..... “	48	48	53	53	53	59	59	59	61	61	61
“ from Floor to Top of Brickwork.... “	64	64	70	70	70	77	77	77	83	83	83
Shipping Weight.....pounds	1800	2200	2700	2900	3200	3700	4200	4600	4800	5400	5900
Number	10	11	12	13	14	15	16	17	18	19	20
Capacity, Steam..sq.ft.	3500	4000	4500	5200	6200	7000	8500	9500	10500	11500	13000
“ Water..	5700	6500	7300	8500	10100	11400	14000	15500	17100	18700	21200
Diameter.....inches	48	48	48	54	54	60	66	66	66	72	72
Length Over All...feet	101½	12	131½	14	161½	151½	18	16	18	16	18
Width of Fire Box..inches	42	42	42	48	48	53	53	59	59	65	65
Length “ “ “	44	50	56	56	62	62	68	62	68	68	74
Height “ “ “	47	47	47	49	49	54	54	59	59	64	64
Heating Surface..sq. ft.	390	442	495	585	700	733	862	971	1097	1167	1325
Ratio Radiation to Heating Surface	8.9	9.0	9.0	8.9	8.8	9.5	9.8	9.8	9.5	9.8	9.8
Area of Grate....sq. ft.	12.8	14.6	16.3	18.7	20.6	22.8	25.0	25.4	28.0	30.7	33.4
Ratio Heating Surface to Grate..	30.0	30.0	30.0	31.0	34.0	32.0	34.0	38.0	39.0	38.0	40.0
Diameter of Breeching.....inches	22	24	24	28	28	32	32	32	32	36	36
Diam. of Stack.... “	20	22	22	26	26	30	30	30	30	34	34
Min. Height of Stack.....feet	45	50	50	50	50	55	55	60	60	60	60
Diam. of Stack for Two Boilers.inches	28	30	32	34	34	36	36	36	38	40	42
Min. Height of Stack for Two Boilers.....feet	50	50	50	55	60	60	70	70	70	70	70
Size of Steam Supply.....inches	6	6	7	7	7	7	7	8	8	8	8
“ “ Return..... “	4	4	5	5	5	5	5	6	6	6	6
Number and Size of Flow and Return for Water.... “	2—6	2—6	2—7	2—7	2—7	2—7	2—8	2—8	2—10	2—10	2—10
Height of Water Line..... “	65	65	65	67	67	75	75	80	80	85	85
“ from Floor to Top of Brickwork.... “	90	90	90	96	96	108	108	114	114	120	120
Shipping Weight.....pounds	6800	7400	8100	10300	11500	14200	15600	17000	18600	19800	21600

KEWANEE SMOKELESS FIRE BOX BOILERS FOR STEAM AND HOT WATER HEATING

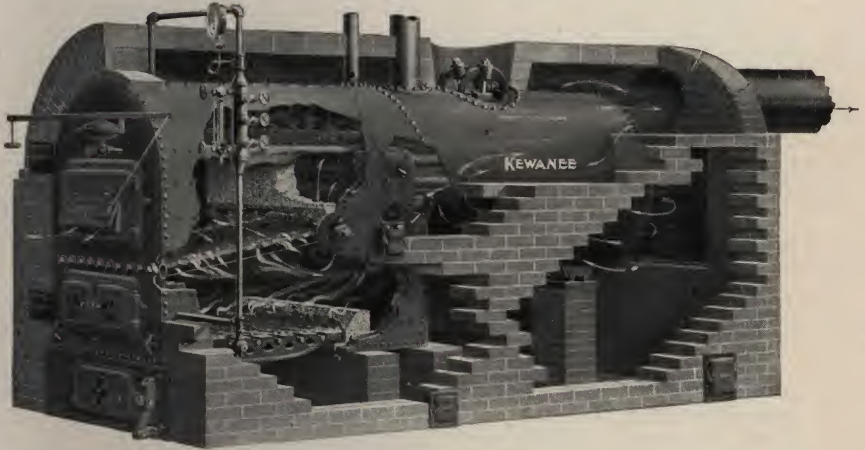


Plate 3650-H

Reports of exhaustive tests made by Robt. W. Hunt & Co., the renowned technical engineers, show *less than one quarter of 1 per cent* of smoke from the poorest quality of Illinois and Iowa coals. These reports show an efficiency of 74.3 per cent for the "Smokeless" as against 51.7 per cent shown by cast iron sectional boilers, from tests made by the University of Illinois, for the same coals. A clean saving of fuel of 43.7 per cent. Besides being the *greatest coal savers known* they are also the *greatest steam makers*.

They also meet the requirements of the most exacting smoke ordinances in existence.

Number	104	105	106	107	108	109	110	111	112
Height of Brickwork inches	76	76	76	82	82	82	89	89	89
" " Water Line "	59	59	59	61	61	61	65	65	65
Floor Space, Length..... { feet	10	12	13	12	13	15	14	16	17
" " Width..... { inches	7	3	9	5	11	5	11	5	11
Rear " "	66	66	66	72	72	72	78	78	78
Thickness of Walls..... "	17	17	17	22	22	22	22	22	22
Approx. Number of Common Brick.	9	9	9	9	9	9	9	9	9
" " Fire Brick.....	2500	2800	2900	3100	3400	3600	4050	4350	4550
Height of Ash Pit..... inches	72	72	72	90	90	90	108	108	108
	14	14	14	14	14	14	14	14	14
Number	113	114	115	116	117	118	119	120	.....
Height of Brickwork inches	95	95	107	107	113	113	119	119	.....
" " Water Line "	67	67	75	75	80	80	86	86	.....
Floor Space, Length..... { feet	18	21	20	23	21	23	21	23	.....
" " Width..... { inches	11	5	11	5	5	5	9	9	.....
Rear " "	92	92	98	98	104	104	110	110	.....
Thickness of Walls..... "	24	24	24	24	24	24	28	28	.....
Approx. Number of Common Brick.	13	13	13	13	13	13	13	13	.....
" " Fire Brick.....	6500	6700	7400	7900	8200	8600	9100	9600	.....
Height of Ash Pit..... inches	150	150	190	190	230	230	300	300	.....
	14	14	17	17	17	17	17	17	.....

KEWANEE SMOKELESS FIRE BOX BOILERS

Number	104	105	106	107	108	109	110	111	112
Capacity, Steam	1600	1900	2200	2500	2900	3300	3800	4400	5000
" Water	2600	3100	3600	4100	4700	5300	6200	7200	8200
Diam. of Boiler	36	36	36	42	42	42	48	48	48
Length Over All	8-7	10-2	11-7	9-10	11-4	12-11	12-4	13-10	15-4
Width of Fire Box	30	30	30	36	36	36	42	42	42
Length " "	45	51	57	54	60	66	66	72	78
Heating Surface	182	213	249	252	291	335	387	449	492
Ratio Steam Cap. to Heating Surface ..	8.8	8.9	8.8	9.9	9.9	9.9	9.8	9.8	10.0
Area of Upper Grate	5.8	7.1	8.3	8.5	10.0	11.3	11.7	13.1	14.9
Ratio Heating Surface to Grate ..	31	30	30	30	29	30	33	34	33
Diam. of Breeching	20	20	22	22	22	24	24	27	27
" Stack	18	18	20	20	20	22	22	24	24
Min. Height of Stack	40	40	40	50	50	50	50	55	55
Size of Steam Opening	4	4	4	6	6	6	6	6	7
" Return	3	3	3	4	4	4	4	4	5
" Safety Valve	2	2	2	2½	2½	2½	2½	2½	3
No. and Size of Sup. and Ret. for Water ..	2-5	2-5	2-6	2-6	2-6	2-6	2-6	2-7	2-7
Height of Water Line	59	59	59	61	61	61	65	65	65
" Floor to Top of Brickwork ..	76	76	76	82	82	82	89	89	89
Approx. Shipping Weight	4800	5200	5700	6100	6700	7200	8400	9100	9800
Price, Steam Boiler, Castings and Tools .. each	590.	620.	654.	710.	770.	840.	940.	1000.	1064.
" Trimnings for Steam Boiler	20.	20.	20.	24.	24.	24.	24.	24.	30.
" Water Boiler, Castings and Tools ..	605.	635.	670.	725.	785.	855.	955.	1015.	1084.
" Wrt. Iron Space Rings and Extra Stays and Braces for 100 lbs. Working Pressure, extra	68.	70.	72.	78.	82.	86.	92.	96.	100.
" for Longer Shell, Each ft. or Fraction of ft. ..	19.	19.	19.	23.	23.	23.	32.	32.	32.

Number	113	114	115	116	117	118	119	120	....
Capacity, Steam	5800	7000	8200	9500	10500	12000	13000	15000	....
" Water	9500	11400	13400	15500	17000	19600	21000	24500	....
Diam. of Boiler	54	54	60	60	66	66	72	72	....
Length Over All	15-10	18-4	17-10	20-4	18-4	20-4	18-4	20-4	....
Width of Fire Box	48	48	53	53	59	59	65	65	....
Length " "	78	84	90	96	90	96	96	102	....
Heating Surface	580	692	735	862	968	1092	1155	1310	....
Ratio Steam Cap. to Heating Surface ..	10.0	10.1	11.1	11.0	10.8	11.0	11.2	11.4	....
Area of Upper Grate	17.0	19.0	21.0	23.2	23.4	25.8	28.4	31.1	....
Ratio Heating Surface to Grate ..	34	36	35	37	41	42	40	42	....
Diam. of Breeching	30	30	34	34	36	36	38	38	....
" Stack	28	28	32	32	34	34	36	36	....
Min. Height of Stack	60	60	60	60	70	70	70	70	....
Size of Steam Opening	7	7	7	7	8	8	8	8	....
" Return	5	5	5	5	6	6	6	6	....
" Safety Valve	3	3	3½	3½	3½	3½	4	4	....
No. and Size of Sup. and Ret. for Water ..	2-7	2-7	2-8	2-8	2-10	2-10	2-10	2-10	....
Height of Water Line	67	67	75	75	80	80	86	86	....
" Floor to Top of Brickwork ..	95	95	107	107	113	113	119	119	....
Approx. Shipping Weight	12300	13600	16000	17400	19400	21000	22400	24300	....
Price, Steam Boiler, Castings and Tools .. each	1300.	1400.	1700.	1850.	2050.	2260.	2550.	2800.	....
" Trimnings for Steam Boiler	30.	30.	40.	40.	40.	40.	44.	44.	....
" Water Boiler, Castings and Tools ..	1320.	1420.	1725.	1875.	2080.	2290.	2590.	2840.	....
" Wrt. Iron Space Rings and Extra Stays and Braces for 100 lbs. Working Pressure, extra	115.	125.	90.	100.	105.	115.	125.	135.	....
" for Longer Shell, Each ft. or Fraction of ft. ..	40.	40.	50.	50.	60.	60.	70.	70.	....

Openings in fire box for coil, 4.00 list per boiler.

Regular boilers larger than No. 114 made with wrought iron mud rings.

KEWANEE GARBAGE BURNER AND WATER HEATER

TYPE D

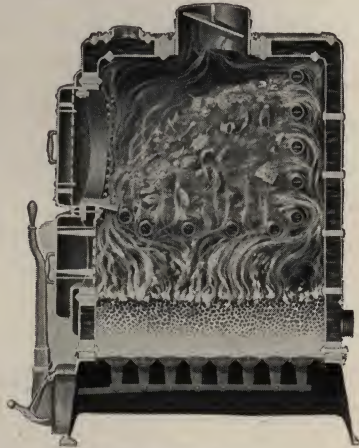


Plate 3651-H

The operation of this burner is very simple. The fire is started on the lower or coal grates—the fire need not be a heavy one to accomplish the garbage destruction—fresh garbage is thrown into the upper chamber in quantities to completely fill it if necessary. The smoke and burning gases pass around through a by-pass to the smoke exit, destroying the odors of the smoldering refuse. The by-pass causes the damp, or even wet, garbage to be quickly evaporated and dried, so that it burns readily. Each tube has a brass cleanout plug at the ends in the outer shell of the burner. The burner is built to stand a working pressure of 125 pounds per square inch.

Number	34	35	36	37	38	39	40
Capacity, per hour, 50 Degrees Raise.....	500	600	800	1000	1200	1500	1800
“ Garbage Chamber, One Charge.....	2	3	4	5	7	9	12
Height Over all.....	56	56	56	56	56	56	56
Height to Bottom of Garbage Door.....	32	32	31	31	31	31	31
Size of Garbage Door.....	14x16	14x16	16x16	16x16	16x16	16x16	16x16
“ “ Fire Door	14x10	14x10	16x10	16x10	16x10	16x10	16x10
Width of Grates	18	18	24	24	24	30	30
Length “	18	24	24	30	36	42	48
Flow, Number and Size.....	1-2	1-2	1-2½	1-2½	1-2½	1-3	1-3
Return, Number and Size.....	1-2	1-2	1-2½	1-2½	1-2½	1-3	1-3
Diam. of Smoke Outlet	9	9	10	10	10	12	12
Floor Space.....	29x29	29x35	35x35	35x41	35x47	41x53	41x59
Approx. Shipping Weight.....	1600	1800	2100	2300	2500	3000	3300
Price, Complete, with Tools.....	214.00	244.00	274.00	318.00	350.00	396.00	440.00

"INCINERITE" GARBAGE INCINERATOR

INTERIOR VIEW



Plate 3653-H

Garbage and the disposal of garbage is the worst problem in the home. To-day the common practice is to put leavings and refuse in barrels or cans and then await the pleasure of the garbage man who carts the decomposing and germ laden matter to the river or dumping ground to breed its billions of flies and carry disease and filth back to the homes and families.

Surely any method that will do away with this practice should have the earnest consideration of every householder and homebuilder.

Any method will fail and fail utterly which does not absolutely eliminate the private garbage can, permanently discharge the garbage collector and wholly and completely destroy waste matter where it originates, on the spot, in a sanitary way.

The "Incinerite" is a combined waste receptacle and destructor. As a receptacle for storage of garbage and waste, it takes the place of the garbage can, and is entirely odorless. As a destructor it burns natural, artificial or gasoline gas, and destroys by incineration, garbage and refuse, wet or dry, animal or vegetable, where it originates. It solves the garbage problem. Where there is an "Incinerite" there will be no garbage. The "Incinerite" can be used in every place where there is waste or garbage to be destroyed, residences, country estates, apartment houses, hotels, clubs, restaurants, hospitals, asylums, sanitariums, public buildings, telephone exchanges, banks and institutions of all sorts.

The "Incinerite" is preferably installed in the kitchen near the range where it may be conveniently at hand for use as a waste receptacle.

"INCINERITE" GARBAGE INCINERATOR

PORTABLE TYPE



Plate 3654-H

WALL TYPE



Plate 3655-H

Type	Number	Floor Space Inches	Width Inches	Depth Inches	Height Inches	Shipping Weight Pounds	Gas Connection Inches	Diam. of Smoke Pipe Inches	Capacity	Price Each
Portable	1	15x15	15	15	30	340	$\frac{3}{4}$	6	$\frac{1}{2}$ bu.	60.00
Portable	2	18x18	18	18	40	560	$\frac{3}{4}$	7	1 bu.	75.00
Portable	3	22x23	22	23	52	880	1	8	$\frac{1}{2}$ bbl	150.00
Portable	4	26x25	26	25	59	1415	1	9	1 bbl.	200.00
Wall	101	.....	15	15	33 $\frac{1}{2}$	450	$\frac{3}{4}$	6	$\frac{1}{2}$ bu.	60.00
Wall	102	.....	17	17	39	560	$\frac{3}{4}$	7	1 bu.	75.00
Wall	103	.....	22	22	53	880	1	8	$\frac{1}{2}$ bbl.	150.00

PORTABLE TYPE.—No. 1 extra small, for special use only; No. 2 for ordinary household use where medium capacity is required; No. 3 for larger residences, hospital wards, telephone exchanges, No. 4 for general hospital waste, hotels, clubs, institutions, country estates, public schools, etc.

WALL TYPE.—No. 101 extra small, for special use only; No. 102 for ordinary household use where medium capacity is required; No. 103 for larger residences, hospital wards, telephone exchanges.

The portable type is commonly used and is supplied in four regular sizes. The wall type is designed to be set within the chimney brace with only its face exposed. Architects usually specify the wall type for new buildings. It is supplied in three regular sizes. To avoid waste of fuel, special care should be used in selecting ample size, so as to hold one full day's accumulations. The efficient and economical way of operating an "Incinerite" is to burn the accumulated waste and garbage once a day.

WILKS STEEL WATER HEATERS

SMALL SIZE, NOT SELF-FEEDING



Plate 3656-H

WITH MAGAZINE, SELF-FEEDING

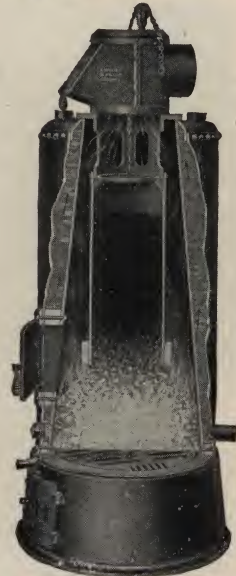


Plate 3657-H

Size of Boiler Inches	Price Each	Heating Per Hour, Gals.	Height Over All, Inches	Size of Open- ings, Inches	Size of Smoke Pipe, Inches	Weight, Pounds
*10x18	30.00	40	32	1	4	100
*12x24	36.00	65	43	1	5	160
*12x30	38.00	80	49	1	5	170
*14x30	44.00	100	49	1 1/4	5	200
*14x36	48.00	120	55	1 1/4	5	235
16x30	72.00	130	52	1 1/2	5	400
16x36	76.00	150	58	1 1/2	5	420
20x30	90.00	200	54	2	7	520
20x36	96.00	250	60	2	7	550
20x42	110.00	275	66	2	7	580
24x36	126.00	300	60	2	8	780
24x42	132.00	350	66	2	8	810
24x48	142.00	400	72	2	8	840
30x42	160.00	500	67	3	8	1100
30x48	168.00	600	73	3	8	1150
30x54	176.00	700	79	3	8	1240
36x42	224.00	900	68	3	9	1900
36x48	236.00	1000	74	3	9	2000
42x42	260.00	1200	69	3	9	2400
42x48	270.00	1400	75	3	9	2500

*Not self-feeding. Without fire door. All small sizes except 10 x 18 can be furnished with front fire door at 10.00 extra on list.

"TABASCO" TANK HEATERSALL STEEL
Self-Feed and Surface Burners**"TABASCO" JUNIOR**
Surface Burner only

Plate 3658-H



Plate 3659-H



Plate 3660-H

ALL STEEL—SELF-FEED AND SURFACE BURNERS

Number	Heating Capacity per Hour Gallons	Size of Heater Inches	Total Height Inches	Size of Flow and Return Inches	Weight Pounds	PRICE, EACH	
						Magazine Feed	Surface Burner
17	130	17x30	52	2—1½	400	72.00	66.00
18	150	17x36	57	2—1½	420	76.00	70.00
21	200	21x30	52	2—2	520	90.00	80.00
22	250	21x36	59	2—2	550	96.00	88.00
25	300	25x36	59	2—2	780	126.00	116.00
26	350	25x42	65	2—2	810	132.00	122.00
27	400	25x48	71	2—2	840	142.00	130.00
30	500	30x42	65	2—3	1100	160.00	144.00
31	600	30x48	75	2—3	1150	168.00	156.00
32	700	30x54	81	2—3	1240	176.00	164.00

Magazine feed heaters are always shipped, unless surface burners are specified in order. Provided with brass cleanout plugs.

JUNIOR—SURFACE BURNERS ONLY

Number	Size of Heater Inches	Heating Capacity per Hour, Gallons	Size of Flow and Return Inches	Weight Pounds	Price
1	10x16	30	1	125	40.00
2	10x18	40	1	130	42.00
3	12x24	65	1	200	54.00
4	12x30	80	1	215	56.00
5	15x30	100	1¼	280	64.00
6	15x36	120	1¼	300	66.00

All Junior Heaters, except Nos. 1 and 2, have front fire doors.
Supplied with brass cleanout plugs.

The capacities given above are based upon the understanding that sufficient storage tank capacity be used in connection with the heater, and represent the estimated size of tanks which experience has shown the heater will supply in ordinary use. For greater requirements, special increased capacity should be provided.

EXTRA HEAVY "TABASCO" HEATERS AND TANKS

For 100 Pounds Working Pressure

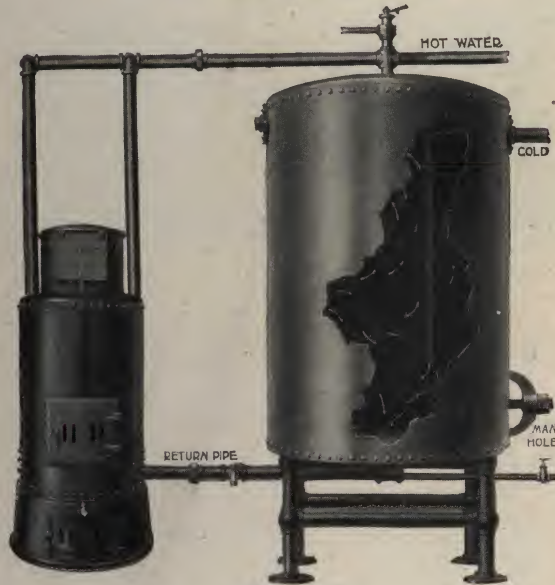


Plate 3661-H

HEATERS

Number	150	200	300	400	500	700
Capacity, per hour	150	200	300	400	500	700
Total Height	63	58	64	76	70	86
Diameter of Fire Pot	12	16	20	20	25	25
No. and Size of Flow and Returns.....	2-1½	2-2	2-2	2-2	2-3	2-3
Weight	600	700	950	1130	1500	1650
Price, Complete, including Fire Tools	106.00	128.00	150.00	180.00	210.00	230.00

TANKS AND STANDS

Size	36x60	42x60	48x60	54x60	60x60	60x72
Capacity	265	360	470	590	730	875
Total Height, Tank and Stand	86	87	88	89	90	102
Weight, Tank	900	1200	1475	1900	2300	2500
“ “ Stands	160	180	200	220	250	250
Price, Tank, with Manhole	114.00	140.00	160.00	200.00	240.00	260.00
“ “ Stands	22.00	24.00	26.00	30.00	32.00	32.00

If manhole is not wanted, deduct 12.00 from list. Safety valve, 14.00 list extra. All "Tabasco" Heaters are supplied with brass clean out plugs.

No extra charge for more or larger openings than shown, but in ordering give sizes and locations of special openings, otherwise regular tank will be shipped.

HOT WATER STORAGE TANKS

BLACK OR GALVANIZED, HORIZONTAL OR VERTICAL
WITH OR WITHOUT STEAM COIL



Plate 3662-H

Nominal Capacity Gallons	Diameter Inches	Length Feet	Approx. Weight Pounds	Regular Openings Inches	PRICE, TANKS EACH		COILS BUILT IN TANKS		
					Plain	Galvanized	Size, Coil	PRICE, EACH	
								Plain Coil	Galv. Coil
66	20	4	250	1½	43.00	57.00	4 Pipes 1-inch	12.00	15.00
85	20	5	290	1½	45.00	61.00	4 " 1 "	12.00	15.00
100	24	4	300	1½	47.00	64.00	4 " 1¼ "	14.00	17.00
120	24	5	350	1½	50.00	69.00	4 " 1¼ "	14.00	17.00
140	24	6	400	1½	52.00	74.00	4 " 1¼ "	16.00	19.00
150	30	4	420	2	55.00	79.00	4 " 1¼ "	14.00	17.00
180	30	5	480	2	60.00	90.00	4 " 1¼ "	14.00	17.00
220	30	6	540	2	64.00	97.00	4 " 1¼ "	16.00	19.00
250	30	7	600	2	70.00	106.00	4 " 1¼ "	18.00	21.00
295	30	8	660	2	77.00	117.00	4 " 1¼ "	20.00	23.00
315	36	6	740	2	82.00	126.00	4 " 1½ "	20.00	23.00
365	36	7	820	2	90.00	139.00	4 " 1½ "	22.00	25.00
420	36	8	900	2	96.00	150.00	4 " 1½ "	24.00	28.00
525	36	10	1060	2	106.00	170.00	4 " 1½ "	28.00	32.00
430	42	6	890	2	102.00	.....	4 " 1½ "	20.00	23.00
500	42	7	1000	2	110.00	.....	4 " 1½ "	22.00	25.00
575	42	8	1080	2	116.00	.....	4 " 1½ "	24.00	28.00
720	42	10	1260	2	128.00	.....	4 " 1½ "	28.00	32.00
865	42	12	1450	2	140.00	.....	4 " 1½ "	32.00	36.00
1000	42	14	1650	2	156.00	.....	4 " 1½ "	36.00	40.00

Prices of tanks with brass or copper coils, on application.

Flanged openings, add to list for each opening: 2-inch or 2½-inch, 5.00; 3-inch or 3½-inch, 6.00; 4-inch, 7.00.

Manhole in head, 15.00; in shell, 25.00. Handhole in head or shell, 5.00.

Tested to 100 pounds hydrostatic pressure, and for use where water working pressure does not exceed 65 pounds.

Regularly made with openings so that they may be used horizontally or vertically.

Manholes, handholes, and coils furnished only when specially ordered.

We recommend that tanks containing coils be made with a manhole.

Stands, hangers or supports for horizontal or vertical tanks, furnished at an extra charge.

EXTRA HEAVY HOT WATER STORAGE TANKS

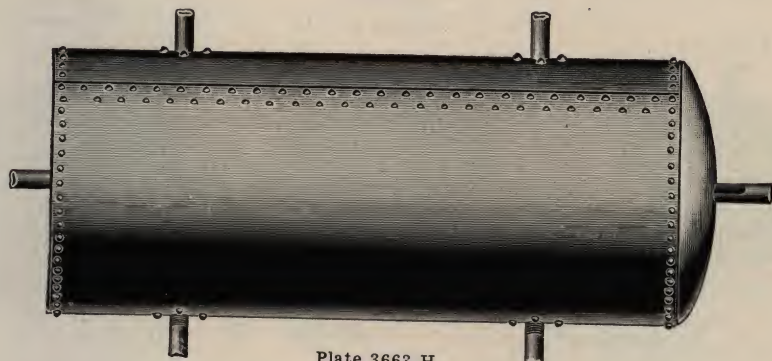


Plate 3663-H

These tanks are tested to 150 pounds hydrostatic pressure and guaranteed for working pressures not exceeding 100 pounds to the square inch.

Capac. Gallons	Diam. Inches	Length Feet	Size Connect'ns Inches	Weight Lbs.	THICKNESS, IN.		PRICE, EACH		COILS BUILT IN TANKS			
					Shell	Head	Black	Gal- vanized	Size of Coil Inches	Price Black Pipe Coil	Price Galv. Pipe Coil	Price I.P. Size Brass Coil
120	24	5	1½	400	$\frac{3}{16}$	$\frac{5}{16}$	58.00	84.00	1¼	11.00	17.00	50.00
140	24	6	1½	460	$\frac{3}{16}$	$\frac{5}{16}$	62.00	92.00	1¼	16.00	19.00	60.00
180	30	5	2	560	$\frac{3}{16}$	$\frac{3}{8}$	69.00	105.50	1¼	14.00	17.00	50.00
220	30	6	2	640	$\frac{3}{16}$	$\frac{3}{8}$	73.00	114.50	1¼	16.00	19.00	60.00
250	30	7	2	700	$\frac{3}{16}$	$\frac{3}{8}$	82.00	127.50	1¼	18.00	21.00	70.00
295	30	8	2	770	$\frac{3}{16}$	$\frac{3}{8}$	87.00	137.00	1¼	20.00	23.00	80.00
315	36	6	2	970	$\frac{1}{4}$	$\frac{3}{8}$	95.00	158.00	1½	23.00	23.00	75.00
365	36	7	2	1080	$\frac{1}{4}$	$\frac{3}{8}$	104.00	174.00	1½	22.00	25.00	90.00
420	36	8	2	1180	$\frac{1}{4}$	$\frac{3}{8}$	112.00	188.50	1½	24.00	28.00	105.00
525	36	10	2	1400	$\frac{1}{4}$	$\frac{3}{8}$	129.00	220.00	1½	28.00	32.00	120.00
430	42	6	2	1230	$\frac{1}{4}$	$\frac{7}{16}$	113.00	.....	1½	20.00	23.00	75.00
500	42	7	2	1350	$\frac{1}{4}$	$\frac{7}{16}$	124.00	.....	1½	22.00	25.00	90.00
575	42	8	2	1480	$\frac{1}{4}$	$\frac{7}{16}$	135.00	.....	1½	24.00	28.00	105.00
720	42	10	2	1750	$\frac{1}{4}$	$\frac{7}{16}$	153.00	.....	1½	28.00	32.00	120.00
865	42	12	2	2000	$\frac{1}{4}$	$\frac{7}{16}$	171.00	.....	1½	32.00	36.00	135.00
1000	42	14	2	2250	$\frac{1}{4}$	$\frac{7}{16}$	191.00	.....	1½	36.00	40.00	150.00
750	48	8	3	1800	$\frac{1}{4}$	$\frac{7}{16}$	168.00	.....	.....	.....	.....	.....
940	48	10	3	2100	$\frac{1}{4}$	$\frac{7}{16}$	188.00	.....	.....	.....	.....	.....
1130	48	12	3	2400	$\frac{1}{4}$	$\frac{7}{16}$	209.00	.....	.....	.....	.....	.....
1300	48	14	3	2700	$\frac{1}{4}$	$\frac{7}{16}$	230.00	.....	.....	.....	.....	.....

Regularly furnished with pressed steel flanges at openings.

Extra for manhole in head, 15.00.

Extra for handhole in head, 5.00.

“ “ “ “ shell, 25.00.

“ “ “ “ shell, 5.00.

Tanks containing steam coils should always have manhole.

STEAM TRAPS

CLASS B



Plate 3664-H

NASON
CLASS C



Plate 3665-H

SIDELUG
(Patented)



Plate 3666-H

Number	1	2	3	4	5
Size of Pipe Connections.....inches	1½	¾	1	1¼	1½
Discharge per Minute.....pounds	41½	61½	10	15½	23
Capacity, Lineal Feet of 1-inch Pipe.....	1500	3450	5250	7650	12000
“ Square Feet of Direct Radiation.....	500	1150	1750	2550	4000
Diameter of Flange.....inches	10¾	14¼	15¾	19	24¼
Height over Valve.....“	11	14	16¼	18½	23½
“ “ Cover.....“	8	10	12	14	15½
Weight, Classes B and C.....pounds	40	80	113	176	336
“ Sidelug.....“	47	92	125	212	343
Price, Classes B and C.....each	16.00	20.00	27.50	42.50	70.00
“ Sidelug.....“	16.85	21.30	29.25	45.50	74.75

REPAIRS

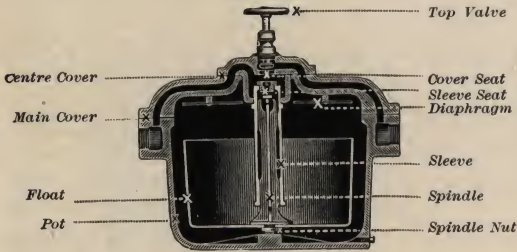


Plate 3667-H

Class B are designed for low pressure service, not exceeding 20 pounds pressure. Class C are designed for medium service for pressures between 20 and 70 pounds.

The Sidelug Trap embodies the Nason principles, is heavier in construction, and in addition has extension lugs over the inlet and outlet ports to obviate the blowing out of gasket at these points. For pressures between 40 and 150 pounds.

REPAIRS

Number of Trap.....	1	2	3	4	5
Price, Top Valve.....each	1.00	1.40	1.60	2.00	2.10
“ “ “ Stem only.....“	.50	.60	.70	.70	1.00
“ “ “ Disc.....“	....	....	....	....	1.00
“ Center Cover.....“	....	....	....	3.50	4.00
“ Main “.....“	2.40	3.60	5.00	8.20	15.60
“ Cover Seat.....“	.40	.40	.60	.70	.80
“ Sleeve “.....“	.30	.40	.50	.60	.70
“ Diaphragm.....“	.30	.50	.60	1.20	1.60
“ Sleeve.....“	1.20	1.60	2.00	2.70	4.50
“ Spindle.....“	1.00	1.40	1.70	2.50	3.50
“ Pot.....“	3.00	4.50	7.00	10.50	18.80
“ Float.....“	.80	1.00	1.00	2.00	2.50
“ Gasket.....“	.25	.40	.60	1.20	1.70
“ Spindle Nut.....“	.30	.30	.30	.40	.40

In ordering repairs be particular to note what style of trap they are for.

THE DAVIS IMPROVED STEAM TRAP

For Any Working Pressure up to 200 Pounds

EXTERIOR



Plate 3668-H

that the valves are balanced, it will operate equally well under any pressure—high, medium or low—without any alterations.

Having two valves, the capacity of this trap is greater than a single valve trap, which, when not balanced, must have a small area. As the valves are cone shaped they cannot stick or be affected in any way by oil, grease, sediment or any foreign matter which may enter the trap.

The valves and seats are renewable, and are made of Tobin Bronze, an extremely hard metal that will resist the cutting action of water many times longer than ordinary steam metal, which is almost universally used for this purpose.

All working parts are attached to the cover, and are removable with it without breaking either the inlet or outlet connections.

The Davis Improved Trap is provided with bosses, which are tapped $\frac{3}{8}$ inch so a gauge glass can be attached if wanted. The gauge glass is furnished only as an extra. It is equipped with an air cock, and has a by-pass valve in the cover so steam can be given a free passage around the valves if desired. This trap will not return the water of condensation to the boiler, but it will discharge, approximately, 2 feet in height for every pound pressure under which it is operating, or against any lower pressure.

The Davis Improved Steam Trap will automatically relieve the water of condensation from a system of steam pipes, without the loss of steam.

It has double cone shaped balanced valves, which are operated by a high pressure seamless copper float tested to 300 pounds pressure, and which are effectively sealed at all times by several inches of water, thus preventing all leakage of steam.

It discharges continuously as fast as the water enters the trap and, due to the fact

SECTIONAL VIEW

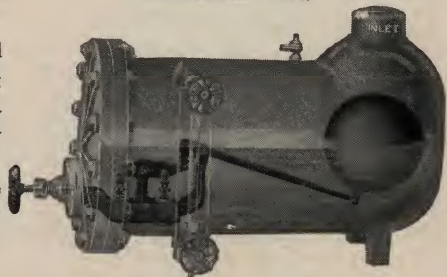


Plate 3669-H

No.	Price Each	Size Inlet and Outlet Inches	CAPACITY OF TRAP			Approximate Weight Pounds
			In Lineal Feet of 1-inch Pipe	In Square Feet of Radiating Surface	In Gallons per Hour at 10 Pounds Pressure	
00	15.00	$\frac{1}{2}$	1500	500	180	25
0	20.00	$\frac{3}{4}$	3000	1000	425	40
1	30.00	1	6500	2175	725	60
2	45.00	$1\frac{1}{4}$	15000	5000	1300	80
3	60.00	$1\frac{1}{2}$	20000	6675	2000	125
4	80.00	2	30000	10000	2775	235
5	100.00	$2\frac{1}{2}$	40000	13350	6000	240
6	125.00	3	60000	20000	19000	250

STEAM TRAPS

McDANIEL IMPROVED

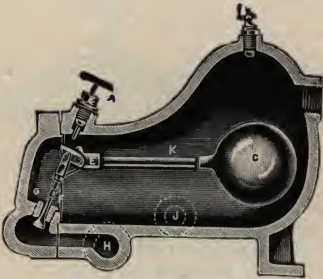


Plate 3670-H

distilleries, paper mills, canneries, heating apparatus, and all other places where steam traps are required.

Have water seal over the valve. Continuous discharge. Valve stem and seat phosphor-bronze, and all parts interchangeable. The discharge valve is balanced by the steam pressure and the weight of the float, which is sufficient to overcome the pressure on the valve. By having the valve seat against the pressure we can use a much heavier float and a larger outlet valve than is used on any other float trap. Valve seat is raised from the bottom, preventing choking of the valve by sediment. All the working parts are connected to the bonnet or lid, and are removable with it, without disturbing the pipe connections, making it most convenient to repair.

Adapted to use in sugar refineries, breweries,

Number.....	*12	13	14	15	16	17	18
Capacity, Lineal Feet of 1-inch Pipe.....	500	1500	4000	8000	15000	20000	25000
“ Square Feet of Direct Radiation...	166	500	1333	2666	5000	6666	8333
Inlet and Outlet.....inches	1½	¾	1	1¼	1½	2	2½
Price, Low Pressure or Regular.....each	12.00	18.00	30.00	40.00	60.00	80.00	100.00
“ Extra Heavy.....“	.....	24.00	40.00	55.00	75.00	90.00	110.00

*Water gauges furnished on all sizes except No. 12.

In ordering above steam traps always state highest steam pressure. When not otherwise ordered, regular pressure traps will be sent. Low pressure, up to 20 pounds; regular, up to 125 pounds; extra heavy, up to 200 pounds. They can be furnished for 250 pounds pressure, on special order, without extra charge.

McDANIEL

Adapted to use in sugar refineries, breweries, distilleries, paper mills, canneries, heating apparatus, and all other places where steam traps are required. Automatic in discharging its condensation. No screws or valves to adjust for the different pressures, no stuffing boxes to prevent free working of the lever. This trap has a plug valve that will not stick or become clogged with dirt.

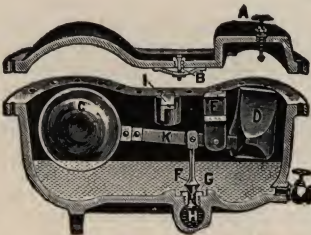


Plate 3671-H

Number.....	1	2	3	4	5
Capacity, Lineal Feet of 1-inch Pipe.....	3500	7000	14000	20000	25000
“ Square Feet of Radiation.....	1166	2333	4666	6666	8333
Inlet and Outlet.....inches	1	1¼	1½	2	2½
Price, Regular.....each	30.00	40.00	65.00	75.00	100.00
“ Extra Heavy.....“	40.00	55.00	80.00	90.00	100.00

Regular pressure traps are good up to 100 pounds.
Low pressure traps are good up to 20 pounds.
Extra heavy traps are good up to 150 pounds.

KIELEY STEAM TRAPS

KIELEY STANDARD
STYLE C—EXTRA HEAVY

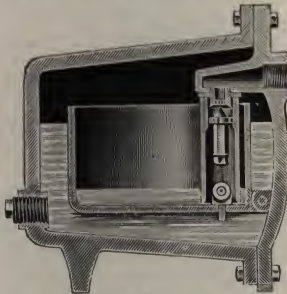


Plate 3672-H

NEW STANDARD
BALL FLOAT

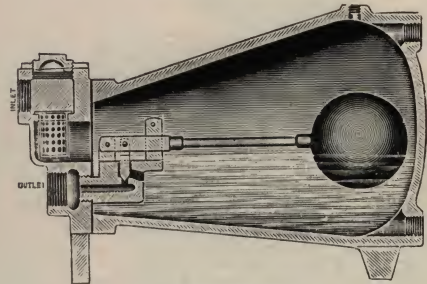


Plate 3673-H

KIELEY STANDARD TRAPS

The few wearing parts are of standard gauge and interchangeable obtained at a minimum of cost, easily and readily placed in position without breaking a single pipe connection. By-pass arrangements a feature and part of each trap, and many other desirable features, recognized by all familiar with these goods.

Style A—low pressure—for pressures from 1 to 30 pounds per sq. inch. Style B—high pressure—for pressures from 30 to 125 pounds per sq. inch. Style C—extra heavy—for pressures ranging from 125 to 250 pounds per sq. inch.

Number	1	2	3	4	5	6	7
Pipe Connections.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Capacity, Lineal Feet, 1-inch Pipe.	4000	6000	10000	15000	25000	35000	50000
“ Sq. Feet Radiation.....	1300	2000	3000	5000	8300	11500	16500
“ Pounds Water per Hour.....	500	725	1200	2000	3000	4000	6000
Price.....each	25.00	35.00	45.00	60.00	80.00	100.00	125.00

The above ratings are based upon favorable conditions and operations of steam traps upon pressures for which they are furnished. In selecting and ordering—take into consideration cold and exposed situations or any circumstance that would add to their duties. Order traps large enough, and it is especially important that you inform us range of steam pressures you wish the trap to operate on.

NEW STANDARD BALL FLOAT TRAPS

A first class serviceable steam trap. Simple in construction, durable and reliable. The trap can be taken apart and the valve repaired without disconnecting any of the piping. By the removal of four bolts securing the head to the shell the latter can be readily removed, exposing the entire mechanism to view for inspection or repairs if necessary. Notice the angle at which the discharge port is placed. This largely reduces “wire drawing” and wear on seat and disc.

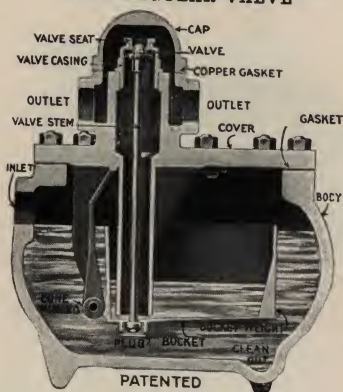
Made in two classes: Class E, for pressures not exceeding 150 pounds; Class F, for pressures not exceeding 25 pounds.

Number	0	1	2	3	4	5	6	7
Pipe Connections.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Capacity, Lineal Feet, 1-inch Pipe	3000	4000	6000	10000	15000	25000	35000	50000
“ Sq. Feet Radiation....	900	1300	2000	3300	5000	8300	11500	16500
“ Pounds Water per Hour	350	500	725	1200	2000	3000	4000	6000
Price.....each	21.00	25.00	35.00	45.00	60.00	80.00	100.00	125.00

Water gauge, for which trap is fitted, can be furnished at extra charge. Constructed for higher pressures or to meet special conditions. Prices on application.

SQUIRES IMPROVED STEAM TRAPS

SECTIONAL VIEW
WITH REGULAR VALVE



PATENTED
Plate 3674-H

EXTERIOR VIEW
WITH REGULAR OR UNLIMITED VALVE



Plate 3675-H

This trap is distinguished by the ready access to the few working parts, low cost of maintenance, great capacity, great durability and high efficiency.

All joints are above the water line and exposed to the temperature of steam only. Every joint is machined and jigs are used in manufacturing the traps, making all parts interchangeable.

The hinging of the cast iron bucket is tapered to open bearings, and in no instance can any corrosion or accumulation of solids affect the operation. All surplus weight of bucket transferred to the extreme end gives a greater pulling force, thereby increasing the capacity of the trap.

FITTED WITH REGULAR VALVE AND SEAT

Size.....	$\frac{3}{8}$	A	B	C	D
Capacity, Linear Feet of 1-inch Pipe.....	3000	4350	6300	9300	16500
" Square " Radiation.....	900	1450	2100	3100	5500
" Water per Hour.....pounds	300	450	650	950	1700
Size of Pipe Connections.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price.....each	14.00	20.00	22.00	28.00	35.00
Size.....	E	F	G	H	....
Capacity, Linear Feet of 1-inch Pipe.....	28200	40800	98100	271750	....
" Square " Radiation.....	9400	13600	32700	90600	....
" Water per Hour.....pounds	2900	4200	10100	28000	....
Size of Pipe Connections.....inches	$1\frac{1}{2}$	2	$2\frac{1}{2}$	$3\frac{1}{2}$	....
Price.....each	50.00	70.00	100.00	200.00	....

FITTED WITH DOUBLE VALVE MECHANISM

Size.....	A	B	C	D	E	F	G
Capacity, Water per Hour.....pounds	800	1400	2700	3800	5500	10000	20000
Size of Pipe Connections.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Price.....each	24.00	27.00	34.00	42.00	60.00	84.00	120.00

WHEN ORDERING, STATE HIGHEST PRESSURE UNDER WHICH TRAP IS TO OPERATE

NEW BUNDY STEAM TRAPS

RETURN 120 SERIES



Plate 3676-H

HIGH PRESSURE 90 SERIES



Plate 3678-H

TANK 30 SERIES



Plate 3677-H

Used to automatically feed boilers, to return condensation to boilers, to relieve steam mains, heating coils, etc., to protect property and to increase the efficiency of steam-using apparatus.

The only objectionable feature in the original Bundy Trap was the trunnion joint. In the New Bundy Trap this feature is entirely eliminated, so the engineer or operator will have no trouble with packing or leaky joints. These traps are absolutely water and steam-tight under all conditions, requiring no attention from the engineer. The capacities of the New Bundy Trap are very much increased, as the improvements enable it to work up to a much higher pressure, thereby giving it a larger range of usefulness.

Each trap is put through an actual working test under high live steam pressure before shipment.

RETURN 120 SERIES—BASED ON 60 OPERATIONS PER HOUR

Number.....	120	121	122	123	124	125	126	128
Delivery to Boiler per Hour . . . pounds	800	1380	2100	2520	4080	8520	15000	42000
Capacity, Lineal Feet of 1-inch Pipe	4500	6000	10000	20000	40000	56000	75000	100000
“ Square “ “ Radiation..	1500	2000	3333	6667	13333	18667	25000	33333
“ Water each Operation . . . pounds	13	23	35	42	68	142	250	700
Water Inlet and Outlet . . . inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4
Price *each	75.00	100.00	150.00	200.00	300.00	400.00	500.00	900.00

*Including two brass check valves.

TANK 30 SERIES—CAPACITY, 140 POUNDS PRESSURE

Number	31	32	33	34	35	36	37	38	39
Hourly Discharge.....*pounds	2520	3540	5460	9120	13200	16500	27240	39600	49500
Lineal Ft. of 1-in. Pipe.....	3500	7500	15000	25000	32000	40000	60000	90000	120000
Pipe Connections.....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....each	25.00	35.00	55.00	85.00	115.00	150.00	200.00	300.00	425.00

*The 30 Series separating or tank traps will work under any pressure up to 140 pounds, and the above capacities are based on what they will do under 50 pounds pressure, with a condensation ratio of 6 to 8 ounces per lineal foot per hour.

HIGH PRESSURE 90 SERIES

Number	91	92	93	94	95
Hourly Discharge .....*pounds	3720	8100	14100	24600	36800
Pipe Connections .....inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price .....each	75.00	100.00	120.00	150.00	180.00

*The 90 Series will work up to 250 pounds pressure, and their capacities are calculated on 150 pounds.

TANK VALVES, ETC.

OUTLET VALVE

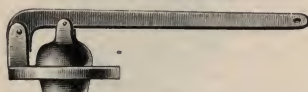


Plate 3700-H

FLOAT VALVE

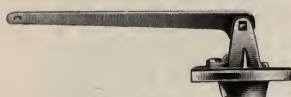


Plate 3701-H

OUTLET AND FLOAT VALVES

Size.....inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4
Price, Outlet Valves.....each	.80	.80	.80	1.00	1.25	4.00	4.00	5.00	6.00
" Float " " "	.80	.80	.80	1.00	1.25	4.00	4.00	5.00	6.00

ENTERPRISE FLOAT VALVE



Plate 3702-H

RAILROAD FLOAT VALVE



Plate 3703-H

ENTERPRISE FLOAT VALVES

Size.....inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....each	1.25	1.40	1.50	3.00	5.00	7.50	10.00

RAILROAD FLOAT VALVES

Size.....inches	$2\frac{1}{2}$	3	4	5	6	7	8	10	12
Price, Screwed.....each	12.50	15.00	22.00	32.00	45.00	60.00	75.00	115.00	.....
" Flanged..... "	13.50	18.00	25.00	36.00	50.00	65.00	80.00	120.00	150.00

TANK FLOAT

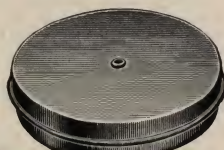


Plate 3704-H

COPPER BALL



Plate 3705-H

TANK FLOATS

Size.....inches	$9\frac{1}{2} \times 2\frac{3}{4}$	12×3
Price, Galvanized.....each	1.00	1.50
" Copper..... "	1.25	1.75

COPPER BALLS

Diameter.....inches	5	6	8	10	12
Price, with Spuds.....per dozen	4.00	6.00	15.00	40.00	60.00
" " " Rods and End Squared.. "	6.00	7.00	24.00	48.00	72.00

PUMPS, ENGINES, ETC.

On the following pages we list a few of the pumping combinations and engines, which we can furnish. If you do not find the exact equipment for your requirements, please take the matter up with us, as we are in a position to satisfy almost any requirement in the pumping line.

In asking for prices, please let us know the capacity in gallons per minute; the suction lift, and the pressure or height against which the pump must work. Also let us know if a steam pump or belt-driven pump is wanted, and we will give you the benefit of our experience in recommending the best pump for your purpose.

Besides the steam pumps listed herein, we also have a full line of deep well steam pumps for pumping wells greater than suction depth.

On page 729 the centrifugal pumps shown are direct electric-driven. We can furnish these pumps steam or gasoline engine-driven.

A great many power plants are now using triplex pumps for boiler feeding. We are in position to furnish triplex pumps of any capacity as listed on page 727, and equipped with by-pass and water relief valve especially suitable for boiler feeding.

On pneumatic outfits we can furnish much larger tanks with the same equipment as listed, or in fact, any combination which may be required. Let us know exactly what you want in this line and we can furnish it.

In writing for prices on electric-driven pumps, do not fail to state if direct or alternating current will be used to drive the motor, and give the voltage. If alternating also give the phase and number of cycles.

We can furnish gasoline engines of different types than those shown herein, up to 500 horse power, and to operate on natural gas, producer gas, or any gravity of fuel oil.

SEMI-AUTOMATIC GASOLINE ENGINE

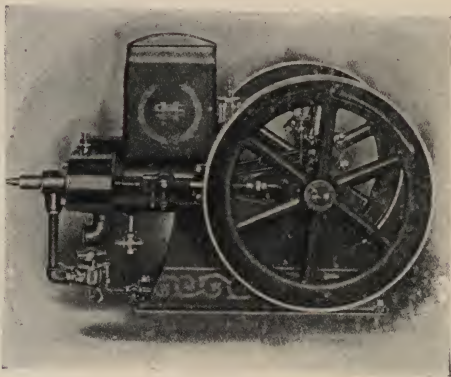


Plate 3706-H

This gasoline engine is built on an entirely different plan from the old accepted principle, the construction being an improvement throughout. It has no cams or gears to get out of order, the exhaust valve being opened on the explosive cycle by a small auxiliary piston so placed in the cylinder that it is cleared by the main piston within $\frac{1}{4}$ inch of the end of the main piston travel. The explosive force still remaining in the cylinder forces out the auxiliary piston which locks open the exhaust valve. By this method the pressure is held back of the piston longer on the impulse stroke, which gives more power for the same size cylinder than if operated on the old plan, and dispenses entirely with all gears. The engine is equipped with an electric governor, which not only prevents an explosion in the cylinder when running above normal speed or when not pulling full load, but also cuts out the batteries and gasoline on the idle strokes, thereby requiring less fuel and batteries than any other engine. The speed can be changed by tightening or loosening the spring on the governor. Owing to the sensitiveness of the governor, the engine will stand sudden overloads without slacking the speed. It has only one-third the working parts of other engines, and owing to the high compression and few parts, requires one-third less fuel to operate, has spark advance for easy starting and economy in fuel, is carefully balanced, and built according to the best modern machine shop practice. As it is equipped with float feed carburetor which when once set for the grade of gasoline used, requires no further attention, it is easy and positive in starting. Closing the battery switch, putting a small priming charge of gasoline in cup provided for that purpose and throwing the flywheels slightly backwards against compression will positively start this engine. It is only necessary to open the electric switch to stop the engine. The gasoline is then automatically stopped and you do not have to shut it off and open it every time for the proper explosive mixture, as is the case with other engines. The fuel cannot be wasted as no gasoline can run out of the pipes. With hopper cooling tank which requires no outside pipe connections and with gasoline tank in the base, we have an engine as compact as could be desired for either portable or stationary use.

Horse Power.....	1½	2½	4	7
Revolutions.....per minute	800	500	400	375
Pulley.....inches	5½x4	5½x4	8x8	10x8
Floor Space....."	32x18	36x25½	38x25	48½x35½
Weight.....pounds	260	500	850	1350
Price.....each	64.00	100.00	165.00	271.00

We furnish with each engine: Spark coil, battery and switch, oilers, wrenches, muffler and complete installing instructions.

H. O. TYPE OIL ENGINES

FOR OPERATION ON ANY OIL THAT FLOWS

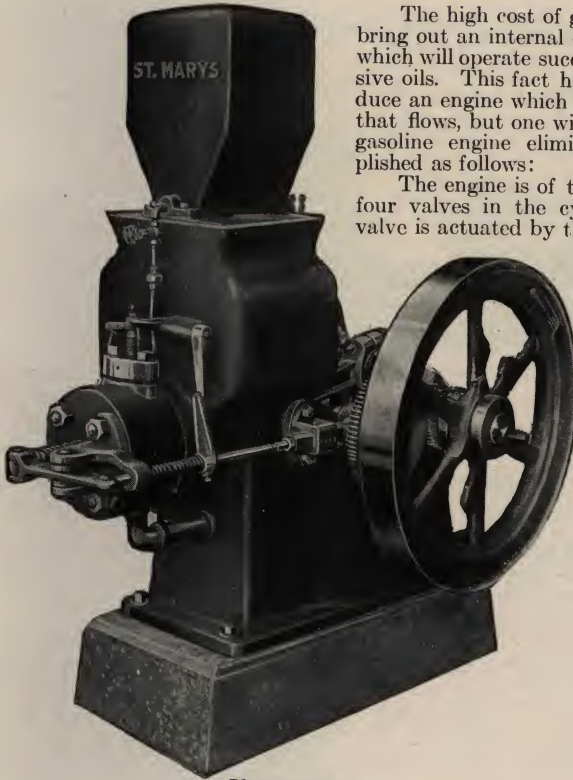


Plate 3707-H

The high cost of gasoline has made it necessary to bring out an internal combustion engine in small sizes, which will operate successfully on heavy and less expensive oils. This fact has prompted our factory to produce an engine which will not only operate on any oil that flows, but one with all the usual troubles of the gasoline engine eliminated. The ignition is accomplished as follows:

The engine is of the four-cycle type and contains four valves in the cylinder head. The intake fuel valve is actuated by the governor in the flywheel, and admits by gravity only the quantity of fuel required for the load delivered. The fuel does not immediately enter the cylinder, but is received by a capsule projecting into it. The oil through the fuel valve is permitted to enter a port where it is held by the ignition air valve operated by a trip on the cam shaft. At a predetermined point of the intake cycle, this valve is opened by the trip and the oil stored in the port together with the ignition air, which enters through a port in the head of the gland, to which the capsule is attached, passes through slots in the stem of the ignition air valve, the mixture of air and oil being drawn into the capsule by suction. At the same time the cylinder is drawn full of air through the intake air valve.

During the next cycle or compression stroke combustion takes place in the capsule, caused by the heat engendered by compressing the air in the cylinder. This compressed air entering the capsule through two very small holes causes a part of the fuel to become gaseous and ignite, which forces the balance into the cylinder, completing perfect combustion and the third cycle, or firing stroke.

The next backward stroke of the piston scavenges the cylinder, completing the fourth cycle.

The engine is volume governed, which means close speed regulation. It will operate at one fourth the cost of a gasoline engine at the present cost of gasoline. The 4 and 8 horse power engines are hopper cooled and are started by hand. The larger sizes are tank cooled and are started by air pressure.

Size H. P.	Type	Speed R. P. M.	Pulley Inches	Weight Pounds	Price Each
4	Horizontal	500	8x8	1050	170.00
8	"	450	10x8	1900	420.00
14	Vertical	450	14x8	4400	800.00

Made also in 20, 30 and 75 horse power. Prices on application.

BLAKE-KNOWLES HORIZONTAL SPECIAL DUPLEX PISTON PUMPS

PRESSURE PATTERN

CAP AND VALVE PLATE PATTERN
SIZE 6x4x6

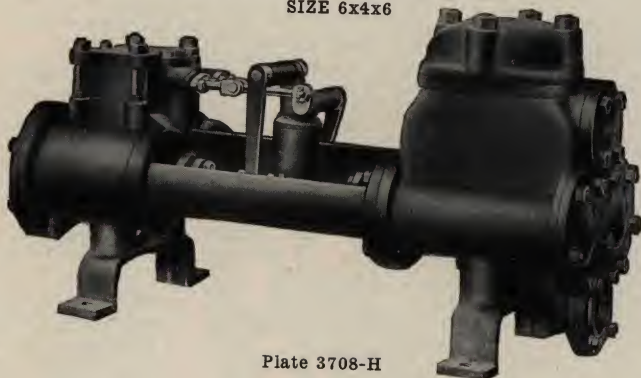


Plate 3708-H

TURRET TOP PATTERN
SIZE 12x8½x12

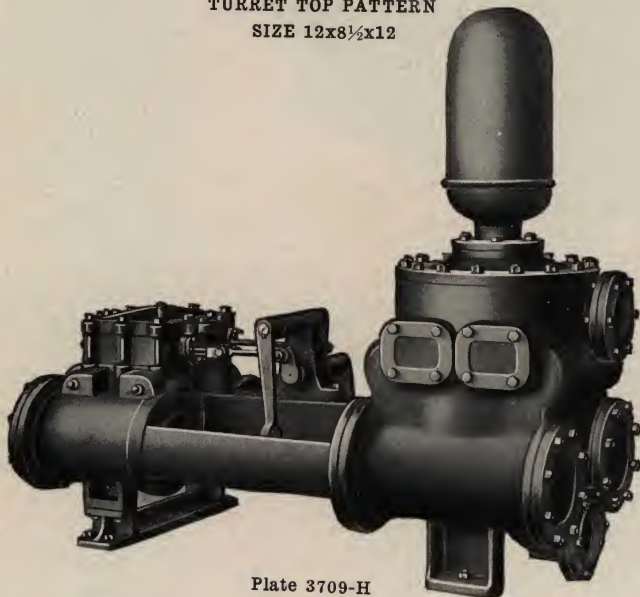


Plate 3709-H

A discharge air chamber is furnished with these pumps on sizes larger than 10x6x10.

BLAKE-KNOWLES HORIZONTAL SPECIAL DUPLEX PISTON PUMPS

SUITABLE FOR BOILER FEEDING, FIRE OR GENERAL SERVICE

These pumps are built on the well-known "duplex" principle, and have all the best features of this desirable type of machine. They are of strictly up-to-date design and construction, and are suitable for a wide range of work. They are accessible in every part, and are fitted for pumping hot or cold, thick or thin, heavy or light, acid or alkaline liquids, as may be required.

Maximum working pressure: Steam end, 125 pounds per square inch; water end, 150 pounds per square inch.

Sizes (except $2 \times 1\frac{1}{4} \times 2\frac{3}{4}$, which has plug valve end) up to and including $10 \times 6 \times 12$, have "cap and valve plate" water ends; all larger sizes (except separate cylinder pattern), "turret top."

SIZE, INCHES			Gallons per Stroke Each Piston	MAXIMUM CAPACITY PER MINUTE			PIPE CONNECTIONS INCHES				Price, Regular Fitted	Add. for Bronze Piston Rods	Add. for Com- position Non-Ad- justable Pistons
Diameter of Steam Cylinder	Diameter of Water Cylinder	Stroke		No. of Single Strokes Each Piston	Feet, Piston Speed	Gallons both Cylinders	Steam	Exhaust	Suction	Discharge			
2	$1\frac{1}{4}$	$2\frac{3}{4}$	.01	160	37	4.5	$\frac{3}{8}$	$\frac{1}{2}$	1	$\frac{3}{4}$	55.00	.....	.....
3	2	3	.04	160	40	13	$\frac{3}{8}$	$\frac{1}{2}$	$1\frac{1}{4}$	1	55.00	2.10	.....
$3\frac{1}{2}$	$2\frac{1}{4}$	4	.07	150	50	21	$\frac{3}{8}$	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	75.00	3.15	3.65
$4\frac{1}{2}$	$2\frac{3}{4}$	4	.10	150	50	31	$\frac{1}{2}$	$\frac{3}{4}$	2	$1\frac{1}{2}$	90.00	4.20	4.20
$5\frac{1}{4}$	$3\frac{1}{2}$	5	.20	140	58	58	$\frac{3}{4}$	$1\frac{1}{4}$	$2\frac{1}{2}$	$1\frac{1}{2}$	120.00	6.80	5.20
6	4	6	.33	130	65	85	1	$1\frac{1}{4}$	3	2	140.00	11.45	6.80
$7\frac{1}{2}$	5	6	.51	130	65	133	$1\frac{1}{2}$	2	4	3	195.00	11.45	12.50
$7\frac{1}{2}$	$4\frac{1}{2}$	10	.69	108	90	149	$1\frac{1}{2}$	2	4	3	260.00	26.05	14.60
9	$5\frac{1}{4}$	10	.94	108	90	203	2	$2\frac{1}{2}$	4	3	300.00	26.05	16.70
10	6	10	1.22	108	90	264	2	$2\frac{1}{2}$	5	4	350.00	26.05	25.00
12	6	10	1.47	108	90	264	2	$2\frac{1}{2}$	5	4	405.00	35.45	25.00
10	7	10	1.67	108	90	360	2	$2\frac{1}{2}$	6	5	425.00	31.25	31.25
12	7	12	2.00	96	96	384	2	$2\frac{1}{2}$	6	6	615.00	41.70	31.25
14	7	12	2.00	96	96	384	$2\frac{1}{2}$	3	6	6	665.00	41.70	31.25
12	$8\frac{1}{2}$	12	2.95	96	96	566	2	$2\frac{1}{2}$	6	6	675.00	41.70	56.25
14	$8\frac{1}{2}$	12	2.95	96	96	566	$2\frac{1}{2}$	3	6	6	725.00	41.70	56.25
16	$8\frac{1}{2}$	12	2.95	96	96	566	$2\frac{1}{2}$	3	6	6	830.00	50.00	56.25
14	$10\frac{1}{4}$	12	4.29	96	96	823	$2\frac{1}{2}$	3	8	7	980.00	41.70	72.95
16	$10\frac{1}{4}$	12	4.29	96	96	823	$2\frac{1}{2}$	3	8	7	1050.00	50.00	72.95

These pumps can be run at a greater speed than above listed, in case of emergency but for continuous work we recommend from 25 to 50 per cent less than maximum listed speed.

To designate the sizes, give the diameter of steam and water cylinders and length of stroke.

BLAKE-KNOWLES SPECIAL DUPLEX PISTON PUMPS

TANK OR LIGHT SERVICE PATTERN

SIZE 5½x4¾x5

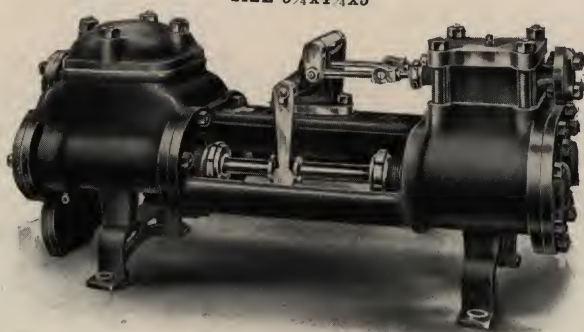


Plate 3710-H

These pumps, of the special duplex type, are designed for use where the liquid handled is to be raised to a moderate height only, the steam cylinder being smaller in proportion to the water cylinder than in pumps of the pressure pattern. They are adapted for a great variety of service, and can be fitted for pumping hot, cold, thick, thin or other kinds of liquids as required.

Sizes as listed up to and including 7½x6x10 have "cap and valve plate" water ends. All larger sizes have "turret top" water ends.

SIZE, INCHES				MAXIMUM CAPACITY PER MINUTE				PIPE CONNECTIONS INCHES				Price Regular Fitted	Add for Bronze Piston Rods	Add for Composition Non-Adjustable Pistons
Diameter of Steam Cylinder	Diameter of Water Cylinder	Stroke	Working Water Pressure Pounds	Gallons per Stroke per Piston	No. of Single Strokes Each Piston	Feet, Piston Speed	Gallons both Cylinders	Steam	Exhaust	Suction	Discharge			
3	2¾	3	75	.08	160	40	24	3/8	1/2	1¼	1	60.00	2.10	4.20
4½	3¾	4	75	.19	150	50	57	1/2	3/4	2½	1½	95.00	4.20	6.25
5½	4¾	5	75	.38	140	58	107	3/4	1¼	3	2	125.00	6.80	10.40
6	5¾	6	75	.67	130	65	175	1	1¼	4	3	155.00	11.50	14.60
6	7½	6	50	1.15	130	65	298	1	1¼	6	5	230.00	11.50	31.30
7½	7½	6	50	1.15	130	65	298	1½	1¼	6	5	240.00	11.50	31.30
6	8½	6	50	1.47	130	65	383	1	1¼	6	5	245.00	11.50	37.50
7½	8½	6	50	1.47	130	65	383	1½	2	6	5	255.00	11.50	37.50
7½	6	10	75	1.22	108	90	264	1½	2	5	4	255.00	26.05	25.00
7½	7	10	75	1.67	108	90	360	1½	2	6	5	340.00	26.05	31.35
7½	8½	10	75	2.46	108	90	531	2	2½	6	5	370.00	26.05	56.30
9	8½	10	75	2.46	108	90	531	2	2½	6	5	390.00	26.05	56.30
10	10¼	10	50	3.57	108	90	771	2	2½	8	7	520.00	26.05	72.95
10	12	10	50	4.80	108	90	1058	2	3	10	8	690.00	26.05	93.75
12	12	10	50	4.80	108	90	1058	2½	3	10	8	785.00	31.30	93.75
12	14	10	50	6.66	108	90	1440	2½	3	12	10	860.00	31.30	114.60
14	14	10	50	6.66	108	90	1440	2½	3	12	10	900.00	31.30	114.60

These pumps can be run at a greater speed than above listed, in case of emergency, but for continuous work we recommend from 25 to 50 per cent less than maximum listed speed.

BLAKE-KNOWLES DUPLEX PISTON AND CENTER-PACKED PLUNGER PUMPS

DIAGRAM AND PARTS OF SPECIAL DUPLEX PUMPS, 1900 PATTERN

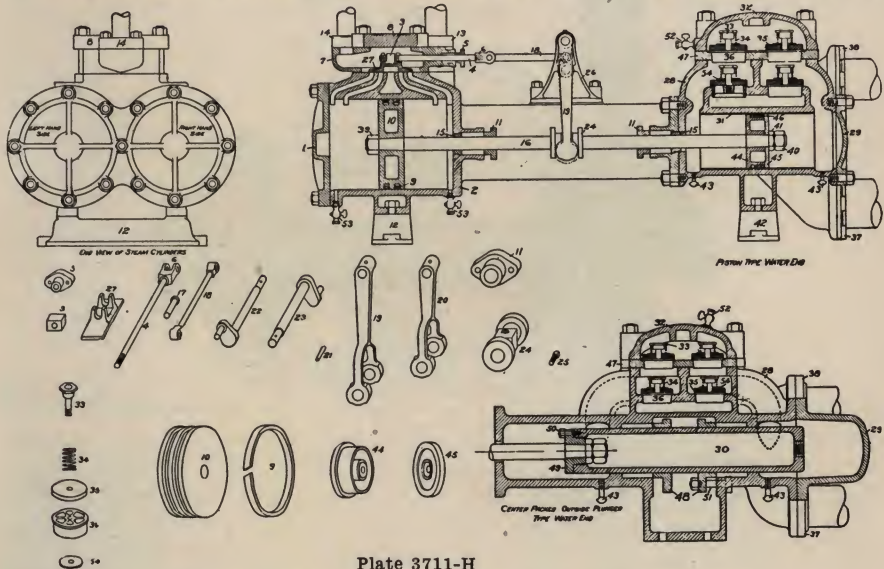


Plate 3711-H

Number	Name of Part	Number	Name of Part
1	Steam Cylinder Head	28	Pump Cylinders
2	Steam Cylinders and Center (cast in one piece)	29	Outside Pump Cylinder Head
3	Valve Rod Nut	30	Plunger
4	Valve Rod	31	Pump Cylinder Lining
5	Valve Rod Stuffing Box Gland	32	Pump Cylinder Cap
6	Valve Rod Knuckle	33	Valve Bolt
7	Steam Chest	34	Valve Spring
8	Steam Chest Cover	35	Water Valve
9	Steam Piston Ring	36	Valve Seat
10	Steam Piston	37	Suction Flange
11	Piston Rod Stuffing Box Gland	38	Discharge Flange
12	Steam Cylinder Foot	39	Piston Rod Nut, Steam End
13	Exhaust Flange	40	Piston Rod Nut, Water End
14	Steam Flange	41	Piston Rod Check Nut, Water End
15	Throat Bushing	42	Pump Cylinder Foot
16	Piston Rod	43	Drain Plug
17	Valve Rod Knuckle Pin	44	Pump Piston
18	Valve Rod Link	45	Pump Piston Follower
19	Long Lever	46	Pump Piston Packing
20	Short Lever	47	Valve Plate
21	Lever Taper Pin	48	Plunger Stuffing Box Gland
22	R. H. Crank and Shaft	49	Plunger Head
23	L. H. Crank and Shaft	50	Plunger Head Stud
24	Crosshead	51	Plunger Stuffing Box Gland Stud
25	Crosshead Set Screw	52	Air Cock
26	Pedestal	53	Drip Cock
27	Slide Valve	54	Valve Backing
			Prices on application.

BLAKE-KNOWLES PRESSURE AND VACUUM PUMPS

**STYLE A SIMPLEX HORIZONTAL BOILER FEED OR PRESSURE PUMPS
PISTON PATTERN**

SIZE $7\frac{1}{2} \times 4\frac{1}{2} \times 10$

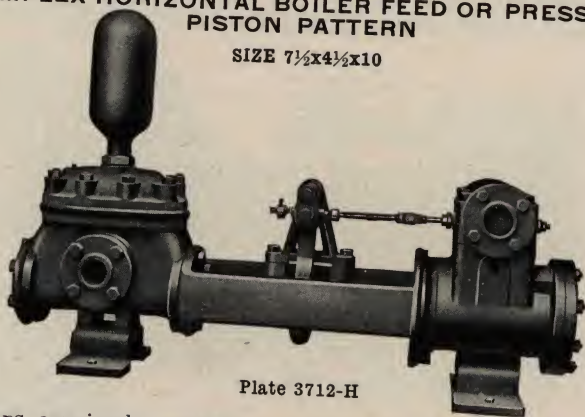


Plate 3712-H

These pumps are simple, compact, accessible and durable. They can be run at a greater speed than listed below in case of emergency, but for continuous work, from 25 to 50 per cent less than maximum is recommended.

CYLINDER, INCHES		Length of Stroke Inches	Gallons per Stroke	MAX. CAP. PER MINUTE			PIPE CONNECTIONS, INCHES				Price Brass Fitted
Steam	Water			No. of Single Strokes	Feet Piston Speed	Gallons	Steam	Exhaust	Suction	Discharge	
$3\frac{1}{2}$	$2\frac{1}{2}$	4	.069	165	55	11	$\frac{3}{8}$	$\frac{1}{2}$	1	$\frac{3}{4}$	88.00
$4\frac{1}{2}$	$2\frac{3}{4}$	6	.15	140	70	21	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	1	104.00
$5\frac{1}{2}$	$3\frac{1}{4}$	7	.25	137	80	34	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	137.00
$6\frac{1}{2}$	$4\frac{1}{8}$	8	.46	135	90	62	$\frac{3}{4}$	1	$2\frac{1}{2}$	2	174.00
$7\frac{1}{2}$	$4\frac{1}{2}$	10	.69	114	95	78	1	$1\frac{1}{4}$	3	$2\frac{1}{2}$	235.00
8	5	12	1.02	100	100	102	1	$1\frac{1}{4}$	$3\frac{1}{2}$	3	260.00
10	6	12	1.47	100	100	147	$1\frac{1}{4}$	$1\frac{1}{2}$	4	$3\frac{1}{2}$	300.00

Larger sizes quoted on application.

SINGLE STEAM HEATING VACUUM PUMPS

SIZE $5\frac{1}{2} \times 8 \times 7$

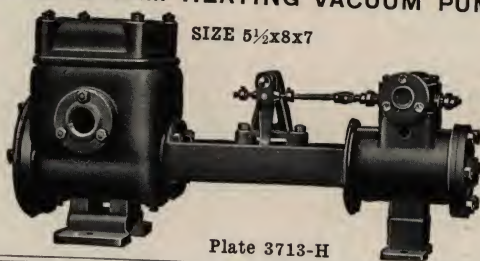


Plate 3713-H

Size Inches	*Radiating Surface Handles Sq. Feet	PIPE CONNECTIONS, IN.			Price Brass Fitted	Size Inches	*Radiating Surface Handles Sq. Feet	PIPE CONNECTIONS, IN.			Price Brass Fitted
		Steam	Exhaust	Suction				Steam	Exhaust	Suction	
$3\frac{1}{2} \times 5 \times 4$	7000	$\frac{3}{8}$	$\frac{1}{2}$	2	105.00	6x 6x12	18300	$\frac{3}{4}$	1	3	210.00
$4\frac{1}{2} \times 6\frac{1}{2} \times 6$	15000	$\frac{1}{2}$	$\frac{3}{4}$	3	135.00	6x 8x12	32600	$\frac{3}{4}$	1	4	280.00
$5\frac{1}{2} \times 8 \times 7$	26100	$\frac{1}{2}$	$\frac{3}{4}$	$3\frac{1}{2}$	165.00	8x10x12	50900	1	$1\frac{1}{4}$	5	350.00

Larger sizes quoted on application.

*Maximum ratings—for continuous operation, we recommend from 20 to 25 per cent less than maximum listed above.

BLAKE-KNOWLES AUTOMATIC FEED PUMPS AND RECEIVERS

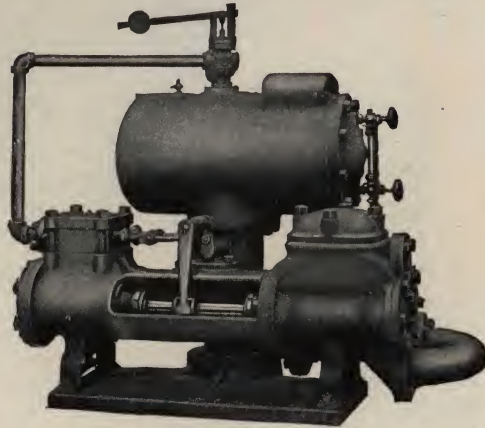


Plate 3714-H

This machine is very simple and a most effective apparatus for draining heating systems, steam coils, radiators, drying cylinders, steam jackets, etc., and for forcing the water of condensation in its hottest condition direct to the boilers. It can also be used for regulating brine circulation in refrigerating machinery, and for other circulating purposes. It is perfectly reliable and completely automatic in its action, dispensing with traps and tanks altogether. The governor valve is of the balanced type, directly connected with the float rod. The automatic action of the pump is controlled by a bucket float in the receiver, doing away completely with stuffing boxes, levers and other connections. The float is of the open bucket pattern with counterbalancing weight, making the most reliable arrangement possible. The hollow floats ordinarily used for this purpose are not reliable, as experience has shown that they will not remain tight under water pressure of varying temperature. In operation, the condensed steam enters by the inlet nozzle at the top and falls to the bottom of the receiver. This water in rising lifts the float and the steam pump, which is operated by the float, starts and pumps it away immediately. The speed of the pump is regulated according to the quantity of water flowing into the receiver. The receiver is provided regularly with one inlet. Additional inlets will be furnished at an extra price. In all cases this apparatus should be located so that all returns will drain towards the receiver. When used as a means for feeding boilers direct, a small cold water supply should be introduced to make up for the loss that will naturally occur. All receivers are tapped for this connection.

Size Inches	MAXIMUM CAPACITY		PIPE CONNECTIONS, INCHES				DIMENSIONS, INCHES			PRICE	
	Gallons per Stroke	Rad. Surface Square Feet	Steam	Exhaust	Water Inlet	Dis- charge	Length	Width	Height	Steel Fitted	Brass Fitted
3 x2 x3	.13	13000	$\frac{3}{8}$	$\frac{1}{2}$	2	1	33	24	31	150.00	152.00
4 $\frac{1}{2}$ x2 $\frac{3}{4}$ x4	.31	31000	$\frac{1}{2}$	$\frac{3}{4}$	2	2	38	24	33	175.00	179.00
5 $\frac{1}{4}$ x3 $\frac{1}{2}$ x5	.58	58000	$\frac{3}{4}$	1 $\frac{1}{4}$	3	2 $\frac{1}{2}$	44	28	46	230.00	237.00
6 x4 x6	.85	85000	1	1 $\frac{1}{2}$	3	3	48	29	46	255.00	266.00

For continuous operation, we recommend from 25 to 50 per cent less than maximum listed speed.

Above pumps are all good for 150 pounds maximum pressure. If preferred, above sizes furnished with receiver mounted directly over pump or with pump of outside packed plunger type or with two pumps, one on each side of receiver, at slight additional cost. Automatic pumps and receivers of larger capacity also furnished if desired. These vary somewhat from the smaller sizes in general design.

BLAKE-KNOWLES UNDERWRITER FIRE PUMPS

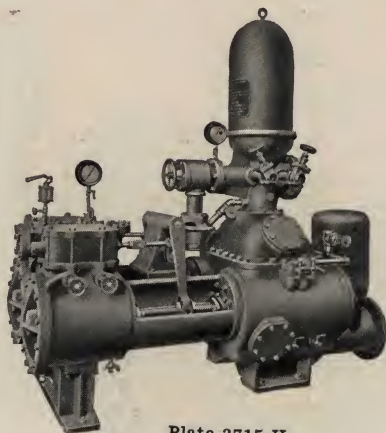


Plate 3715-H

The water passages, valve areas and suction and discharge nozzles are all much larger in this pump than in any ordinary pump, so a greater amount of water can be discharged without water hammer. Also, the steam and exhaust ports and nozzles are designed so as to give unrestricted passage to the steam. The pump is rustproof and will start instantly, after standing unused for a long time. The piston rods and valve rods are made from Tobin bronze. All stuffing boxes and glands are brass-lined. Plungers and plunger sleeves are of composition but the metals are differently mixed to prevent cutting. This mixture of the metals, which has been a subject of much experiment and study, is made up with great success; the parts work perfectly upon each other, without friction or impairment. Each pump has the following National Standard fittings, heretofore charged as extras, but now included in the price and regularly furnished.

Capacity plate on discharge air chamber; stroke gauge, graduated on each end; vacuum or suction air chamber; steam gauge, 5 inches in diameter; water gauge, 5 inches in diameter; relief valve of large capacity; relief valve discharge cone; set of brass priming pipes and special priming valve; required number of $2\frac{1}{2}$ -inch hose valves; 1-pint sight-feed cylinder lubricator; 1-pint hand oil pump—all in strict accord with the underwriters' specifications.

On account of the larger passageways, bronze parts and attachments mentioned, the pump necessarily costs more than an ordinary fire pump, but the cost per gallon discharged is less, since the Underwriter Pump can deliver a greater quantity of water in the same length of time. It is also much heavier and stronger, of superior workmanship, and better protected from rust and accident. Hose valves are threaded only when specially ordered and at a small additional price. If we are to thread these valves, a sample thread must be supplied, as there is no established standard, hose threads varying widely in different localities.

Diameter of Steam Cylinder Inches	Diameter of Water Plungers Inches	Length of Stroke Inches	Gallons per Minute	Number of Fire Streams	PIPE CONNECTIONS INCHES				Price
					Steam	Exhaust	Suction	Discharge	
14	$7\frac{1}{4}$	12	500	2	3	4	8	6	1200.00
16	9	12	750	3	$3\frac{1}{2}$	4	10	8	1600.00
18	10	12	1000	4	4	5	12	8	1850.00
20	12	16	1500	6	5	6	14	10	3000.00

Underwriter Fire Pumps also built with compound steam ends and arranged to run with electric motors. Prices on application.

RUMSEY TRIPLEX POWER PUMPS

For Elevations to 350 Feet or 150 Pounds Pressure

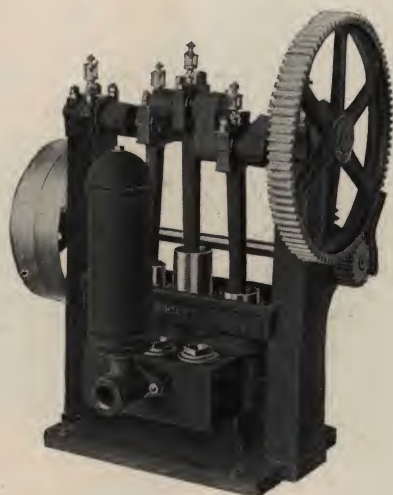


Plate 3716-H

The triplex pump has single-acting plungers, outside packed and inside-guided and connected. It is used for supplying tanks in houses and hotels, and in industrial plants for pumping water, circulating brine or other fluids. It is regularly fitted for pumping cold water, but is readily adapted for a wide range of service.

The design and construction are strong, reliable and efficient. Gears are machine cut. Bearings are babbitted. Valves and glands readily accessible. Regular construction has iron cylinders, bronze plungers and bronze disc valves in the 3x4-inch and smaller sizes. Sizes 4x4 and 4x6-inch have bronze plungers and rubber disc valves, but valves are made of bronze when specified. Cylinders and glands are bronze fitted to order at extra price. Gear ratio 5 to 1.

No.	PLUNGERS, INCHES		PIPE CONNECTIONS INCHES		Tight and Loose Pulleys Inches	Capacity Gallons per Revolution	Revolutions of Crank per Minute	Price
	Diameter	Stroke	Suction	Discharge				
1	1 $\frac{1}{4}$	2	1	$\frac{3}{4}$	12x1 $\frac{1}{2}$	.03	40 to 60	50.00
2	1 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	12x2 $\frac{1}{2}$	.07	40 " 60	70.00
3	2	3	1 $\frac{1}{4}$	1 $\frac{1}{4}$	12x2 $\frac{1}{2}$	.12	40 " 60	80.00
4	2 $\frac{1}{2}$	4	1 $\frac{1}{2}$	1 $\frac{1}{2}$	15x3	.25	40 " 60	115.00
5	3	4	1 $\frac{1}{2}$	1 $\frac{1}{2}$	15x3	.36	40 " 60	128.00
6	4	4	2 $\frac{1}{2}$	2	18x3	.65	40 " 60	195.00
7	4	6	2 $\frac{1}{2}$	2	20x3 $\frac{1}{2}$	1.00	40 " 50	205.00

RUMSEY GENERAL SERVICE TRIPLEX ELECTRIC PUMPS

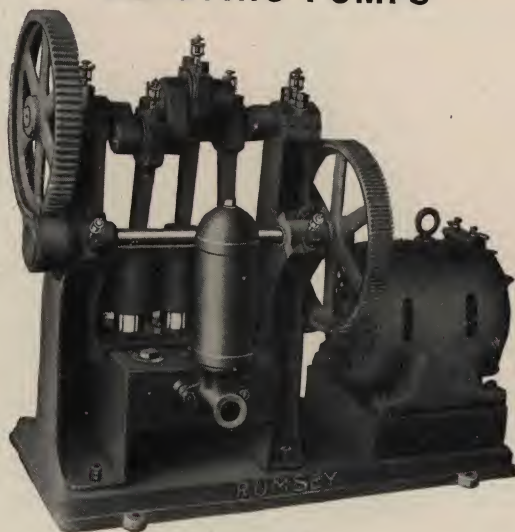


Plate 3717-H

This outside guided triplex pump is mounted on a bedplate and connected by intermediate gearing to electric motor. This makes a very compact pump and is especially recommended for installation where space is limited. It is suitable for apartment houses, hotels, feeding and for general service. Pinions on the pump and motor shafts are made regularly of rawhide, to render the running of gears noiseless, but iron or brass pinions can be used if required. If it is desired to pump into an open tank, the use of a float switch will automatically start or stop the motor as the water in tank falls or rises. Float switch furnished with pump at extra cost.

PLUNGERS, INCHES		PIPE CONNECTIONS INCHES		Size of Motor Horse Power	Capacity per Hour Gallons	Height will Elevate Water Feet	Price, with Bedplate and Gears no Motor
Diameter	Stroke	Suction	Discharge				
1 1/4	2	1	3/4	1/4	90	300	70.00
1 3/4	3	1	1	1/2	270	200	95.00
1 3/4	3	1	1	1	270	350	95.00
2 1/4	4	1 1/4	1 1/4	1	600	200	145.00
2 1/4	4	1 1/4	1 1/4	2	600	350	145.00
3	4 1/2	1 1/2	1 1/2	1 1/4	1200	100	185.00
3	4 1/2	1 1/2	1 1/2	2	1200	200	195.00
3	4 1/2	1 1/2	1 1/2	3	1200	350	195.00
3 1/2	5	2	2	1 1/2	1800	100	270.00
3 1/2	5	2	2	3	1800	200	270.00
3 1/2	5	2	2	5	1800	350	270.00
4	6	2 1/2	2	2 1/2	3000	100	330.00
4	6	2 1/2	2	5	3000	200	330.00
4	6	2 1/2	2	7 1/2	3000	350	330.00
5	6	3	3	5	4590	100	490.00
5	6	3	3	7 1/2	4590	200	490.00
5	6	3	3	10	4590	350	490.00

Prices with motor on application. In requesting prices with motor, state if for direct or alternating current, and give the voltage. If for alternating current also give the phase and number of cycles.

RUMSEY ELECTRIC CENTRIFUGAL PUMPS

VERTICAL



Plate 3718-H

number of cycles. In writing for prices state the work to be performed by pump and give the diameter and depth of sump.

This vertical electric centrifugal sump pump is intended for automatically removing accumulations of water from pits and sumps, but may be adapted to various uses. It is regularly furnished with cast iron sump cover 40 inches diameter, shaft with case and discharge pipe for sump 5 feet deep, motor supports and flanged coupling ready to receive motor.

When elevation exceeds 25 feet or the horizontal distance 100 feet and the discharge pipe contains a great number of bends, larger pipe should be used than specified in table, the pipe being reduced where it enters the pump.

Number	Discharge Inches	Capacity per Minute Gallons	Price, Each Ready to Receive Motor
2	2	75	120.00
3	2½	150	150.00
4	3	225	175.00

Prices quoted on outfits complete with motor and automatic float switch if desired. If wanted complete with motor state if motor is for direct or alternating current, and give the voltage. If for alternating current, also give the phase and

HORIZONTAL



Plate 3719-H

The horizontal centrifugal pump mounted on bed plate and direct-connected to electric motor is so arranged that the discharge can be turned in any direction desired. It is simple, compact, requires but little attention and is a most useful pump for moderate lifts, where electric power is available. We make these pumps to order for any service that a centrifugal pump is adapted to and will quote prices on application.

Number	Suction Inches	Discharge Inches	Horse Power	Elevation with Motors Feet	Capacity per Minute Gallons	Price, Each Ready to Receive Motor
2	2	2	2	50	75	40.00
3	2½	2½	3	40	150	60.00
4	3	3	5	40	225	70.00
5	4	4	7½	35	325	104.00
6	5	4	10	30	625	134.00
6½	6	5	15	30	925	150.00
7	7	6	20	30	1300	187.00
8	10	8	30	25	2400	307.00

If a special outfit is required which is not covered by the above specifications in writing for price give quantity in gallons per minute to be pumped, lift in feet the liquid is to be raised and horizontal distance, if any, it is to be conveyed. If wanted with motor complete also give the kind of electric current to be used, whether alternating or direct, and give the voltage. If for alternating current, also give the phase and number of cycles.

PUMP JACKS

No. 1



Plate 3720-H

No. 4

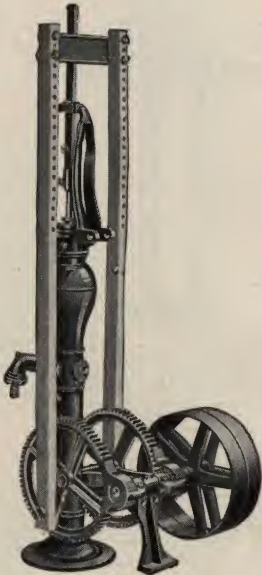


Plate 3721-H

These jacks may be operated by windmill or belted to engine. They may be inverted and attached to wall by use of "V" blocks. Pulleys and gears are keyed to shaft and not pinned or driven on. Gear guards to protect all gears furnished when desired. No. 1 jack will operate a 3½x10-inch cylinder to a depth of 250 feet; No. 4 will operate a 4x10-inch cylinder to a depth of 500 feet. The No. 4 has the ring-oiling system and extra long bearing surfaces.

Number.....	1	4
Stroke.....inches	5, 7½, 10	5, 7½, 10
Size of Pulleys, Tight and Loose....."	13x2¼	13x2¼
Gear, Ratio.....	5 to 1	5 to 1
Weight.....pounds	73	90
Price (Pump not included).....each	6.00	8.00

HORIZONTAL DOUBLE-ACTING FORCE PUMPS

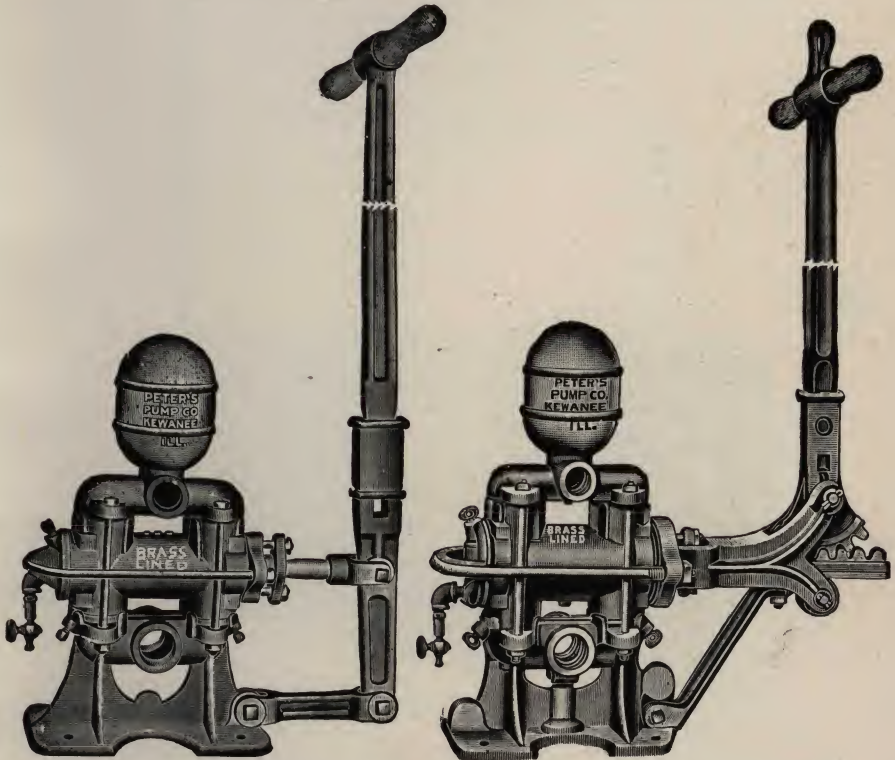


Plate 3722-H

Plate 3723-H

These pumps are especially designed for pumping air and water for pneumatic pressure tanks. They are so constructed that air compression in the pump is absolutely impossible, the water and air being carried direct from suction to discharge. The suction chamber is tapped for suction pipe on both sides so that the pump may be set right or left without making any changes. They are fitted with an automatic air valve which takes the air freely. This air valve may be admitted or cut off at any time by simply turning the thumb lever. Cylinder is 3 inches in diameter, brass-lined; valves are brass with brass ball check, and piston is of brass. Stroke, 5 inches.

Plate 3723-H pump is same as Plate 3722-H except that it is fitted with a ratchet lever which makes the pump work much more easily.

Price, Plate 3722-H.....	each	15.75
" " 3723-H.....	"	16.75

PETERS DOUBLE-ACTING POWER PUMPS

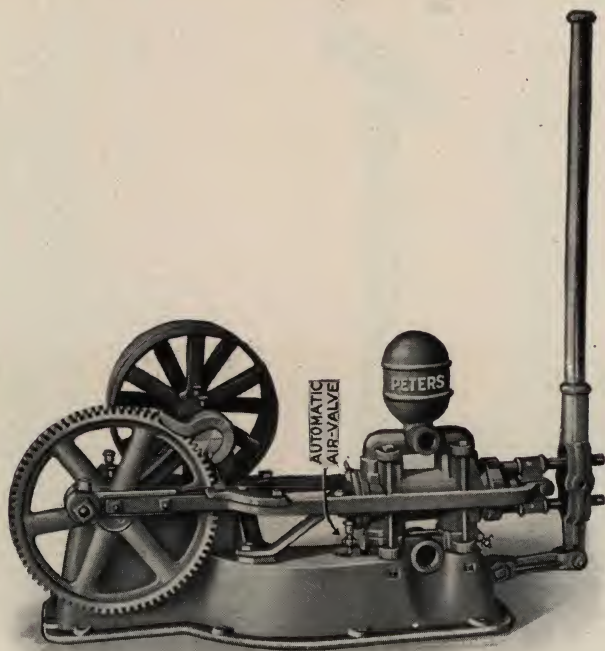


Plate 3724-H

An inexpensive power pump for pneumatic pressure tank purposes to operate with gasoline engine or electric motor. This pump is used for elevating water to storage tanks or distant points or wherever a power pump may be required. When used with electric motor of not over 800 revolutions per minute or in cases where higher speed motor is used we can furnish pulley of proper size at small additional expense. Speed of piston should not exceed 40 strokes per minute. Has removable boxings, easily replaced when worn out; brass oil cups for all boxings. Equipped with handle for hand power in case belt power should get out of order. Absolutely no wear on piston, same being supported by two steel guides.

Pulleys are 3-inch face, 12-inch diameter; single gear with $1\frac{1}{2}$ -inch face, geared 6 to 1; suction, $1\frac{1}{4}$ inches; discharge, 1 inch; automatic air valve with brass ball check; tapped for suction on both sides; $\frac{3}{4}$ -inch brass piston; 3-inch brass lined cylinder; $4\frac{1}{2}$ -inch stroke. Length of pump, 41 inches; width, 22 inches; height, 20 inches. Capacity, 700 gallons per hour, suction 25 feet. Working pressure, 100 pounds. Elevation, 150 feet. Weight, 200 pounds.

Price, Complete, as described.....	49.50
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RUMSEY'S PNEUMATIC WATER SUPPLY SYSTEMS

FOR SHALLOW WELLS

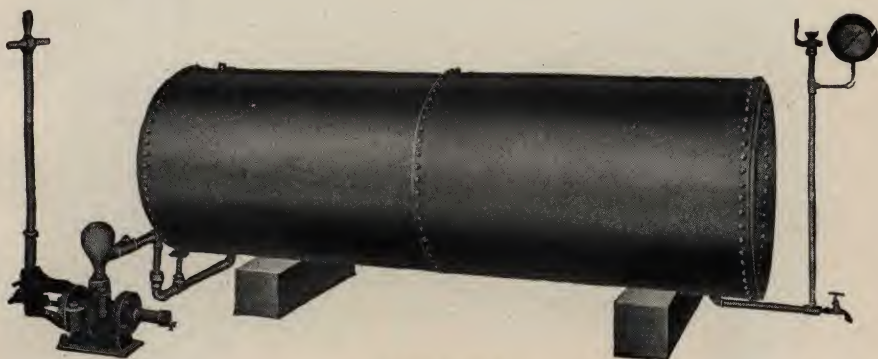


Plate 3725-H

This outfit is for well, lake or spring where the water level is not more than 20 vertical feet below the pump. The pump is double-acting, with a $2\frac{1}{2}$ -inch brass-lined cylinder and air compressor. It has a cog-gearred handle and is arranged for $1\frac{1}{4}$ -inch suction and discharge pipes.

Diam. of Tank Inches	Length of Tank Feet	Total Capacity Gallons	Working Capacity Gallons	Weight Pounds	Price Each
30	6	220	145	788	86.00
30	8	295	195	938	98.00
30	10	365	240	1048	107.00

We send with this outfit: Tank, pump, gauges, all valves, wood supports, pipe and fittings as shown, including foot valve, all cut and fitted ready to install. Galvanized tanks may be furnished, if desired, at difference in tank list as given on page 739.

RUMSEY'S PNEUMATIC WATER SUPPLY SYSTEMS

FOR WELLS OF MEDIUM DEPTH

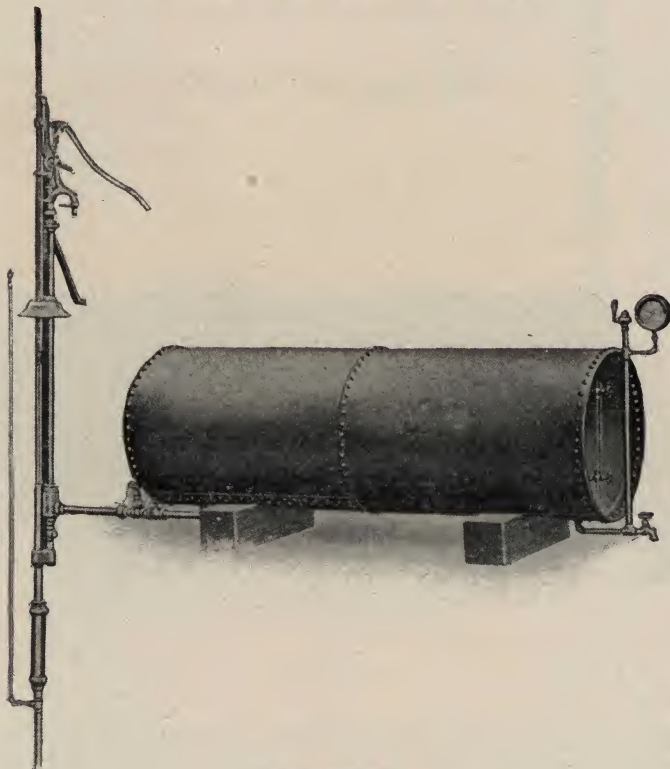


Plate 3726-H

This outfit is for wells of medium depth or those greater than suction depth, in which the water does not rise to within 20 vertical feet from the pump. The pump may be operated by hand or windmill. It is equipped with a $2\frac{1}{2}$ x12-inch brass-lined cylinder and special intake air valve.

Diam. of Tank Inches	Length of Tank Feet	Total Capacity Gallons	Working Capacity Gallons	Weight Pounds	Price Each
30	6	220	145	930	82.00
30	8	295	195	1080	94.00
30	10	365	240	1190	103.00

We send with this outfit: Tank, pump, all valves, gauges, wood supports, pipe and fittings as shown, cut and fitted ready to install.

Galvanized tanks may be furnished if desired at the difference in tank list as shown on page 739.

RUMSEY'S PNEUMATIC WATER SUPPLY SYSTEMS

ELECTRIC DRIVEN

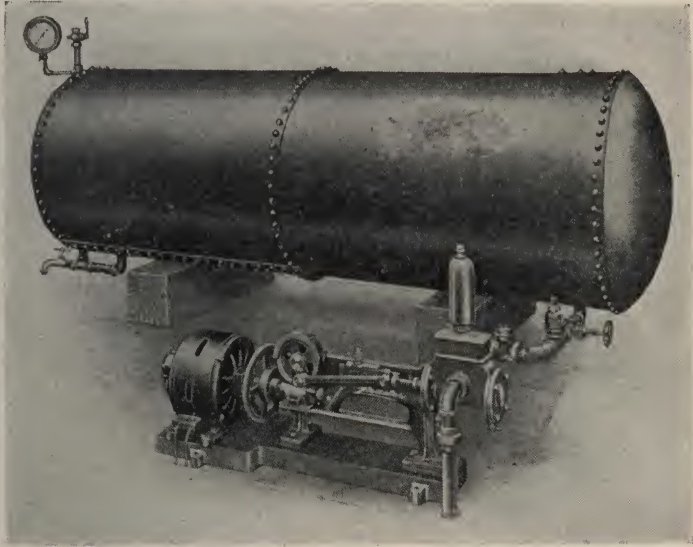


Plate 3727-H

This outfit is for well, cistern or any source where the water level is not more than 20 vertical feet below the pump. The electric house pump is furnished equipped with air compressor attachment, has a capacity of 300 gallons per hour and is fitted with a $\frac{1}{2}$ horse power motor either for direct or alternating current for 110 or 220-volt circuit.

When desired this outfit can be furnished with an automatic switch which will start the pump when the pressure drops below any predetermined point and will stop automatically when the pressure reaches the high point. Information on application.

Diam. of Tank Inches	Length of Tank Feet	Total Capacity Gallons	Working Capacity, Gallons	Weight Pounds	Price Each
30	6	220	145	1045	269.00
30	8	295	195	1190	281.00
30	10	365	240	1305	290.00
36	10	525	350	1495	309.00

We send with this outfit: Tank, pump, all valves, gauges, wood supports, pipe and fittings as shown, including foot valve, all cut and fitted ready to install.

Galvanized tanks may be furnished if desired at difference in tank list, as shown on page 739.

In ordering please state if motor is to be for direct or alternating current and give voltage. If for alternating current also give the phase and number of cycles.

RUMSEY'S PNEUMATIC WATER SUPPLY SYSTEMS

FOR SHALLOW WELLS

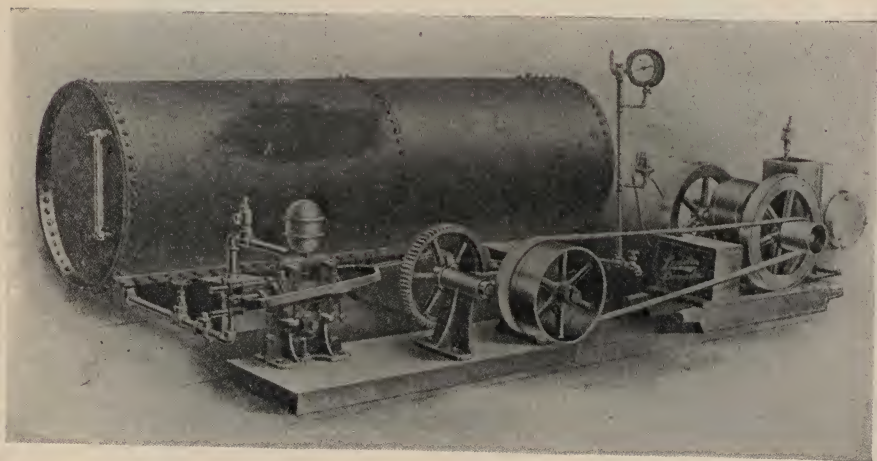


Plate 3728-H

This outfit is for well, cistern, lake or spring, when the water level is not more than twenty feet below the pump. The engine is two horse power hopper-cooled type belted to a double acting power force pump.

Diam. of Tank Inches	Length of Tank Feet	Total Capacity Gallons	Working Capacity Gallons	Weight Pounds	Price Each
30	6	220	145	1300	231.00
30	8	295	195	1450	243.00
30	10	365	240	1565	252.00
36	10	525	350	1750	271.00

We send with this outfit: Tank, engine, pump, belt, circuit breaker for stopping engine automatically, all valves, gauges, wood supports, wiring, pipe and fittings, including foot valve, all cut and fitted ready to install.

Galvanized tank may be furnished if desired at difference in tank list.

RUMSEY'S PNEUMATIC WATER SUPPLY SYSTEMS FOR SHALLOW WELLS

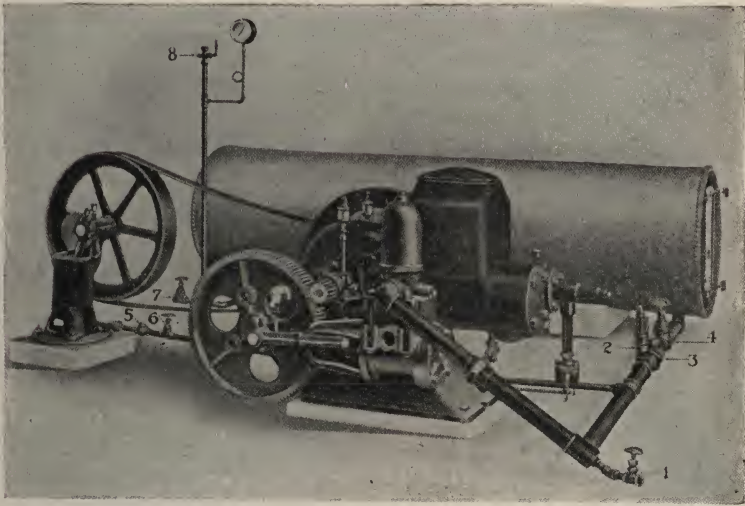


Plate 3729-H

This outfit was designed for use where a larger quantity of water is required than the average pneumatic outfit will supply, such as public institutions, schools, country homes, hotels, farms and for fire purposes. The pump is combined on the same base with a four horse power gasoline engine. This makes a compact arrangement, occupying a minimum of space and being less liable to get out of order than any other type. We provide an electric circuit breaker to automatically stop the engine when the desired pressure has been attained in the tank. Stopping the engine also automatically cuts off the gasoline supply. As an added precaution against damage to the tank and pump, we also furnish an automatic relief valve, which will relieve any undue pressure above that required in the tank. The pump is suitable for wells, springs, lakes or any source where the water never lowers beyond twenty-five vertical feet below the suction opening of the pump.

The pump has a capacity of seventeen gallons per minute, is of the piston type, has cylinder 4 inches in diameter by 4-inch stroke, and is arranged for $1\frac{1}{2}$ -inch suction pipe.

By removing the connecting pin the pump may be disconnected from the engine and it can then be used for other power purposes, an 8x8-inch belt pulley being provided for that purpose.

A separate air compressor is furnished which will pump air to the tank when required. By proper pipe connections this air compressor can be used for other purposes, such as pumping automobile tires, renovating cushions on seats, etc.

Diam. of Tank Inches	Length of Tank Feet	Total Capacity Gallons	Working Capacity, Gallons	Weight Pounds	Price Each
48	10	1000	665	3260	460.00
48	16	1500	1000	4144	515.00
48	20	1880	1250	5402	580.00
48	24	2260	1500	6205	610.00

We furnish with each outfit: Tank, engine and pump, air compressor, all valves, fittings, pipe, gauges, wood supports for tank and belt as shown above, also foot valve for suction pipe.

RUMSEY'S PNEUMATIC WATER SUPPLY SYSTEMS FOR DEEP WELLS

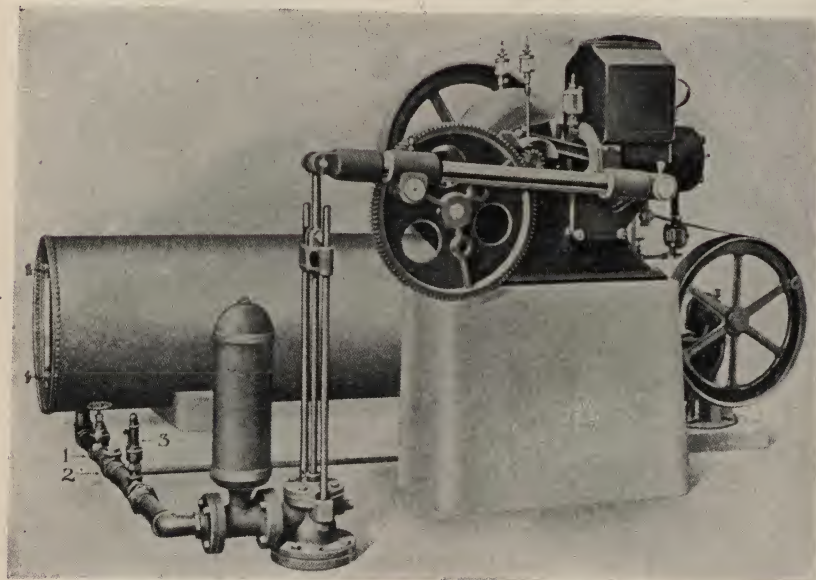


Plate 3730-H

This outfit was designed for use where a larger quantity of water is required than the average pneumatic outfit will supply and for wells which are greater than suction depth. It is composed of tank and a four horse power beam-gear pumping engine. The working head is equipped with air chamber. Circuit breaker, automatic relief valve and air compressor are provided. The capacity of this outfit depends on the size cylinder used and the length of stroke at which the adjustable beam is set. In a great many cases, the working head is lowered in a concrete pit, which can be covered to prevent freezing, instead of raising the engine on a foundation as shown in illustration.

Diam. of Tank Inches	Length of Tank Feet	Total Capacity Gallons	Working Capacity, Gallons	Weight Pounds	Price Each
48	10	1000	665	2881	480.00
48	16	1500	1000	3764	537.00
48	20	1880	1250	5122	600.00
48	24	2260	1500	5825	630.00

We furnish with this outfit: Tank, engine, working head, air compressor, all valves, pipe and fittings, gauges, wood support and belt as shown above.

Galvanized tanks may be furnished if desired at difference in tank list.

PNEUMATIC PRESSURE TANKS **FOR DOMESTIC WATER SUPPLY SYSTEMS**

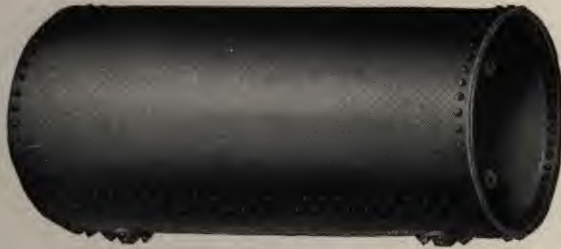


Plate 3731-H

Capacity Gallons	Diameter Inches	Length Feet	Thickness of Shell Inches	Thickness of Head Inches	Approx. Weight Pounds	Tappings of Horizontal Tanks Inches	PRICE, EACH TANKS ONLY	
							Black	Galv.
80	20	5	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	290	1	35.00	47.00
120	24	5	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	395	1	40.00	56.00
140	24	6	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	445	1	43.00	62.00
190	24	8	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	560	1	54.00	78.00
235	24	10	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	665	1	61.00	89.00
220	30	6	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	575	1	52.00	76.00
295	30	8	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	715	1	64.00	94.00
365	30	10	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	845	1	72.00	108.00
440	30	12	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	975	1	82.00	124.00
315	36	6	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	745	1	66.00	98.00
420	36	8	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	920	$1\frac{1}{4}$	82.00	121.00
525	36	10	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	1080	$1\frac{1}{4}$	93.00	139.00
635	36	12	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	1240	$1\frac{1}{4}$	103.00	156.00
740	36	14	$\frac{3}{16}$	$\frac{1}{4}$ — $\frac{5}{16}$	1515	$1\frac{1}{4}$	120.00	185.00
575	42	8	$\frac{1}{4}$	$\frac{5}{16}$ — $\frac{3}{8}$	1395	$1\frac{1}{2}$	114.00	173.00
720	42	10	$\frac{1}{4}$	$\frac{5}{16}$ — $\frac{3}{8}$	1660	$1\frac{1}{2}$	130.00	201.00
865	42	12	$\frac{1}{4}$	$\frac{5}{16}$ — $\frac{3}{8}$	1905	$1\frac{1}{2}$	148.00	229.00
1010	42	14	$\frac{1}{4}$	$\frac{5}{16}$ — $\frac{3}{8}$	2150	$1\frac{1}{2}$	162.00	253.00
1150	42	16	$\frac{1}{4}$	$\frac{5}{16}$ — $\frac{3}{8}$	2395	$1\frac{1}{2}$	176.00	278.00
940	48	10	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	2070	2	166.00	254.00
1130	48	12	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	2350	2	184.00	284.00
1315	48	14	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	2630	2	200.00	312.00
1500	48	16	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	2910	2	221.00	345.00
1695	48	18	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	3220	2	249.00	386.00
1880	48	20	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	3500	2	267.00	416.00
2260	48	24	$\frac{1}{4}$	$\frac{3}{8}$ — $\frac{7}{16}$	4055	2	300.00	473.00

If with handhole in head or shell, add 5.00.

If with manhole in head, add 20.00; manhole in shell, 25.00. Tanks can be furnished in all sizes up to 9 feet in diameter and 40 feet long, the capacity of the largest flat car. Ask for special quotations on larger sizes.

24-inch Horizontal Pressure Tanks, tapped for $\frac{1}{2}$ x12-inch Water Gauge.

30	"	"	"	"	"	$\frac{1}{2}$ x14	"	"	"
36	"	"	"	"	"	$\frac{1}{2}$ x16	"	"	"
42	"	"	"	"	"	$\frac{1}{2}$ x20	"	"	"
48	"	"	"	"	"	$\frac{1}{2}$ x24	"	"	"
6-foot Vertical	"	"	"	"	"	$\frac{1}{2}$ x16	"	"	"

Unless specified horizontal in the order, pneumatic pressure tanks 6 feet long will be shipped vertical pattern.

PUMPS

GOLDEN CROWN PITCHER SPOUT PUMPS

These pumps weigh heavier and are in every respect superior to the ordinary pitcher spout pumps offered by most manufacturers. The fulcrum and lever revolve and can be adjusted to any position. The cylinder is bored and polished as smooth as glass. The lever is long, strong and durable. By raising the lever, thus tripping the valve, the pump may be rendered anti-freezing.



Plate 3732-H

Number.....	1	2	3	4	5
Diameter of Cylinder.....inches	2½	3	3½	4	4½
Fitted for Pipe....."	1¼	1¼	1¼	1½	1½
Capacity, per Stroke.....gallons	1/10	1/8	1/6	1/4	1/3
Price, with Iron Cylinder.....each	4.25	4.75	5.25	6.25	9.50
" " Brass-Lined Cylinder... "	6.50	7.25	8.00	9.00	12.50
" " All Brass " " "	7.00	10.00	12.00	14.00	....

No. 1A
LIFT PUMP



Plate 3733-H

No. 1A LIFT PUMPS

Lift pump with wrought iron set length, 3x10-inch cylinder, 1¼-inch suction. Weight, 60 pounds.

Price	each	7.50
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No. 98
FORCE PUMP



No. 98 FORCE PUMPS

Double-acting force pump with set length of 1-inch pipe, brass-lined upper cylinder, iron or brass-lined lower cylinder; stroke, 6 inches. Will go in 4¾-inch casing and larger.

No.	Size of Lower Cylinder Inches	Suction Inches	PRICE	
			Brass-Lined Cylinder	Brass Body Cylinder
2	2½x12	1¼	15.00	16.00
4	3 x12	1¼	15.00	16.00



Plate 3734-H

CISTERN FORCE PUMPS, BRACKET PUMPS, ETC.**CISTERN FORCE
PUMP**

Plate 3735-H

CISTERN FORCE PUMPS

This shows our Gem Cistern Force Pump, made in but one size with 3-inch cylinder, 4-inch stroke. Water may be carried to any room by attaching iron pipe or hose to spout. It is also a splendid pump for spraying trees. New movable fulcrum standard, no side friction on piston rod. To prevent freezing, trip valves by raising lever to extreme height. When priming is necessary, put water under spout and work lever. It has a brass packing box and rubber spout stopper. This pump is used extensively in forcing water in boilers and heaters. Can be fastened to kitchen sink and connected to cistern outside of house. Fitted on suction $1\frac{1}{4}$ -inch pipe and discharge 1-inch pipe.

Price, with Brass Cylinder, each 9.00

BRACKET PUMP

Plate 3736-H

BRACKET PUMPS

This style of pump can be installed on either end or side of sink. Spout and handle can be set at any angle, irrespective of each other or the barrel. Requires no base. Is always clean and sanitary, drained by lifting handle. It has a polished brass barrel, solid brass rod, brass stuffing box, brass valve seats, all bolts fitted with brass nuts. Spout threaded to fit $\frac{3}{4}$ -inch garden hose, suction, $1\frac{1}{4}$ inches, $2\frac{1}{2}$ -inch barrel, 4-inch stroke.

Price, as described. each 8.00

No. 10

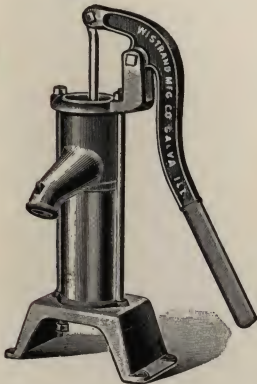


Plate 3737-H

KITCHEN PUMPS

The No. 10 pump is superior to a pitcher spout pump which it has succeeded. It is made with 3-inch seamless tubing, has a cast iron reservoir and closed spout. The base is cast iron and is fastened together with two heavy bolts. Raising the handle to extreme height tips valve and drains pump, preventing freezing in cold weather.

Price, with Brass Cylinder each 3.70

No. 15

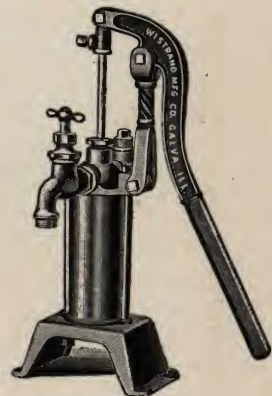


Plate 3738-H

The No. 15 pump is fitted with brass hose bibb and is especially adapted to raise water to an upper story or tank. Just the thing for washing porches or windows. Very useful to quench fire. A most serviceable pump of splendid mechanical construction. Handle tips valve to prevent freezing. Fitted for 1 to $1\frac{1}{4}$ -inch iron or 1-inch lead pipe.

Price, with Brass Cylinder. each 7.30

